1948

MODULUS

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If all Rules and Regulations voiced by the college librarian are carefully obeyed, it will save confusion and make it more convenient for the student body.

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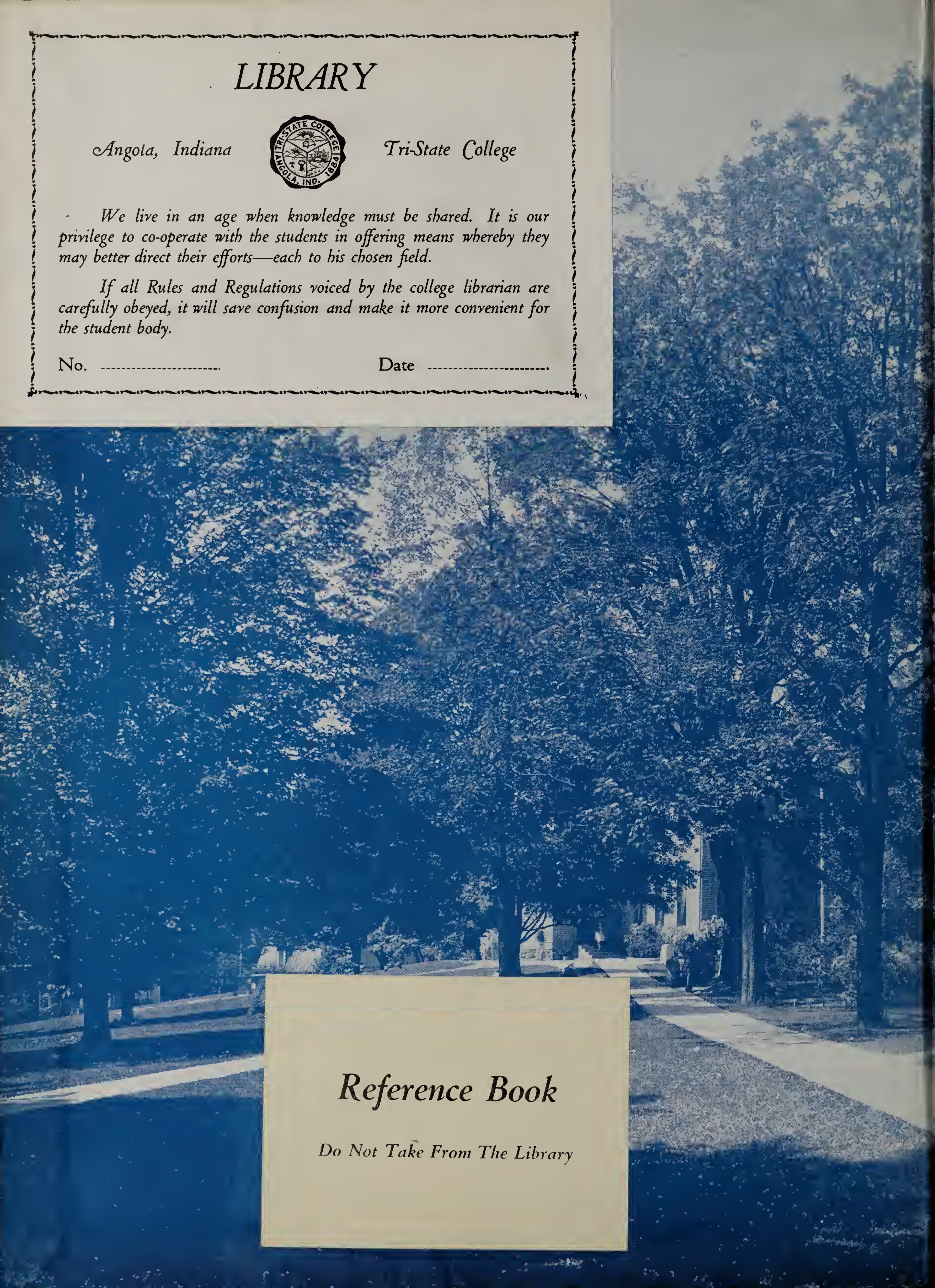

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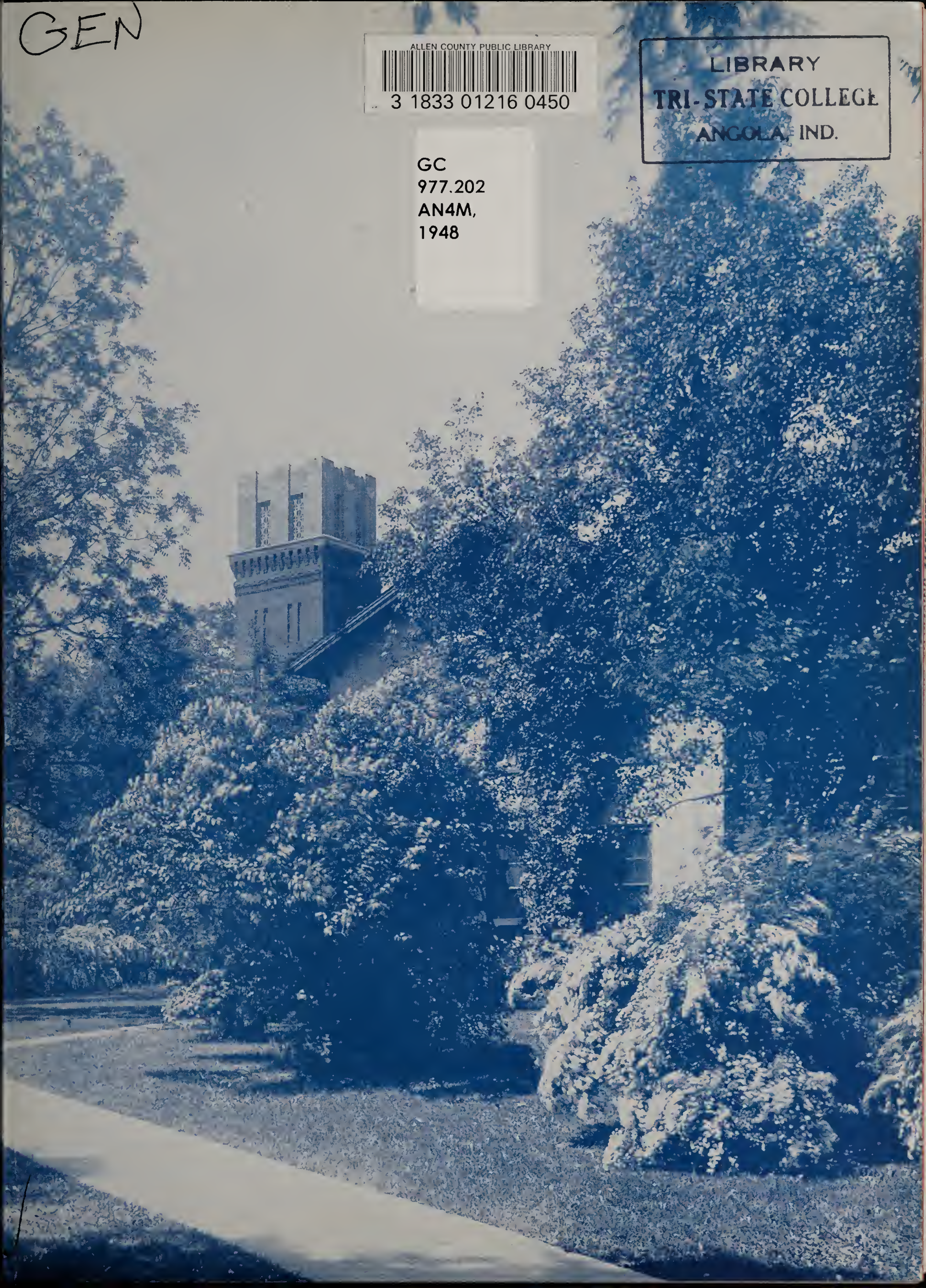


FOREWORD

The Modulus Staff presents this book with the sincere hope that it will be a vital link between you and your records, thoughts, and memories that are contained herein. This book is made possible by the cooperation of the student body, the Student Council, and Student Publications. It was compiled, edited, and marketed by a group of students who, without journalistic training or thought of reward, labored tirelessly to accomplish that which lies before you. The final judgment of their efforts must come from you, but I shall forever remember them for their sense of responsibility to their task and loyalty to their school.

Jack C. Wine
Editor-in-Chief
1948 *Modulus*

COLLEGE OF COMMERCE
COLLEGE OF ENGINEERING

1948

MODULUS

Published by the student body of

LIBRARY
TRI-STATE COLLEGE
ANGOLA, IND.

Tri-State College ... Angola, Ind.

The guiding spirit

for technical men

Tri-State students on

the move between classes

ALICE A. PARROTT, A.B., B. Pd., M.A.
Mathematics and English

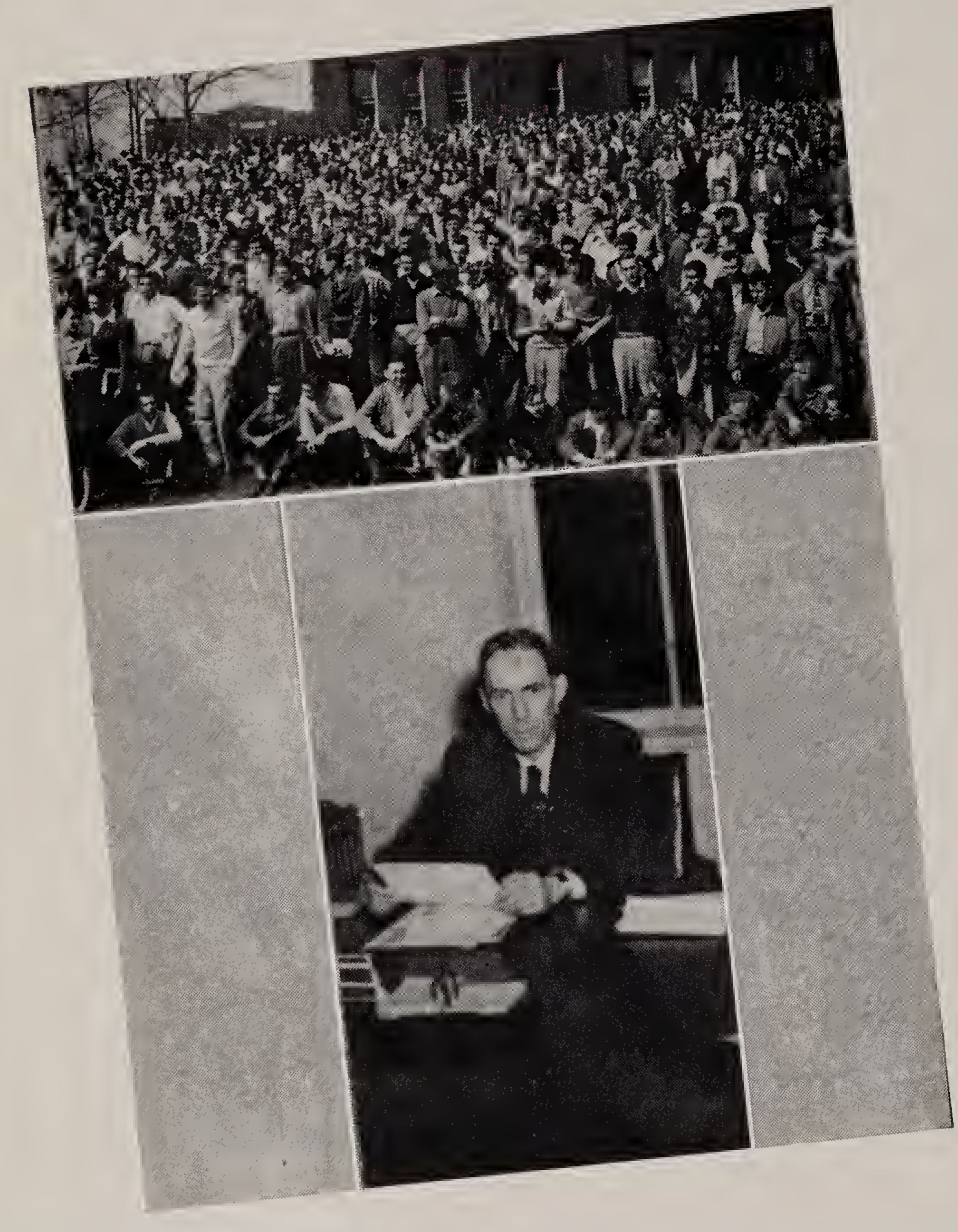
DEDICATION

We dedicate this book to one whose offerings and contributions to Tri-State College are exceeded by few. During her long tenure, Professor Alice A. Parrott, alumnus and faculty member, has accomplished much and endeared herself to all Tri-State men and women. Head of the English Department for twenty-seven years, Professor Parrott has always served as special advisor to students in various capacities.

To one who has been a student and President of our College, we humbly dedicate the 1948 *Modulus.*

TOM GOSLIN DON EDDY PROF. PARROTT JOE CHIMENTI

A word to the graduates



The members of the graduating class of 1948 have the greatest opportunity to contribute to the welfare and well-being of humanity that any class graduating from college has had during the history of this country.

The destiny of this country and, to a large extent, of all nations depends upon the application of knowledge you have gained in the classroom and laboratory.

From the President's Office

Those with engineering training may be inclined to think that only those with business and governmental training are qualified to guide the destiny of this and future generations.

Nothing could be farther removed from the truth than such thinking as this, because you have been trained to analyze all problems in a logical manner and you have been taught to deal with facts, not assumptions.

You members of the class of 1948 *are well qualified to assume your rightful place in world affairs and are urged to contribute your time, talents, and ability toward making this a peaceful world in which to live.*

We wish for the members of the graduating class of 1948 *all the success that it is possible to attain.*

J. GLENN RADCLIFFE

BOARD OF TRUSTEES

Ray Alwood, Raymond E. Willis, Mark R. Woodhull, Theodore Wood, *Chairman*, Franklin Wells, Perry Ford.

J. GLENN RADCLIFFE
Executive Vice-President

MERRITT D. BOYER
Secretary
Coordinator of Veterans' Affairs

Our Administration and Faculty

On July 25, 1883, a group of prominent citizens of Angola, desirous of planting the foundation for an institution of higher learning, met and organized Tri-State College.

Through the sixty-five years of its expansion, our school has grown from a normal school with a humble enrollment of forty to its present size of seventeen hundred students. The buildings, which then numbered two, have grown in size to twelve, and the faculty now embraces fifty-three men and women expertly trained in their respective fields.

To those of the past whose untiring efforts and supreme sacrifices guided and molded our school in its embryo stage, we owe a deep-rooted and sincere thanks; to those of the present by whose skill and ingenuity our school will survive and continue to grow, we owe our never weakening cooperation and support.

VERNE JONES
Registrar

BILLY SUNDAY
Treasurer

R. BUTLER

M. WILLENAR

C. RUMBLE

M. TUCKER

C. ADAMS

HAROLD HOOLIHAN

F. GOUDY

A. PARROTT

L. BURCHFIELD

O. FEE

J. CRISMAN

C. HAUBER

K. NEWNAM

P. SPENCER

F. GABRIELSEN

B. SELFRIDGE

S. SLANINA

L. HORPEDAHL

R. FLETCHER

C. SHAW

A. GWIAZDOWSKI

J. HUMPHRIES

W. WARSTLER

W. TAYLOR

Q. HAWTHORNE

E. SHIDEMAN

H. WRIGHT

L. AX

K. STEELE

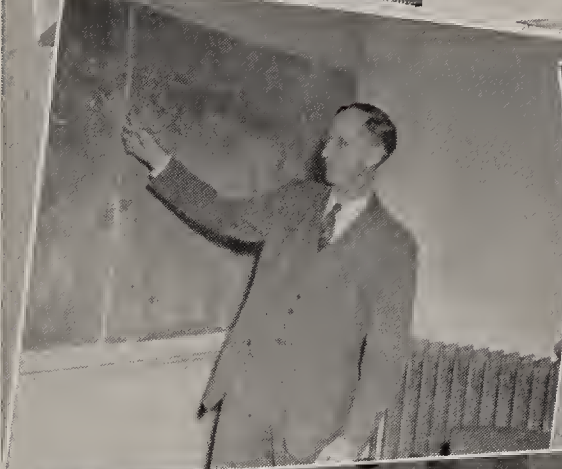
M. BEZIK

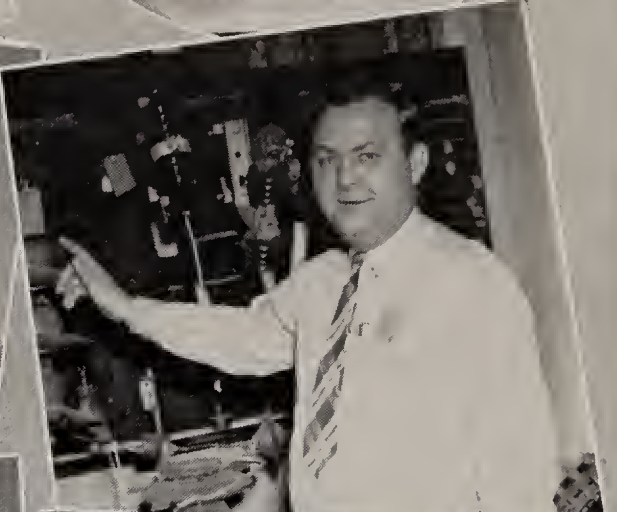
R. GILCHRIST

HOWARD
HOOLIHAN

C. BECKER

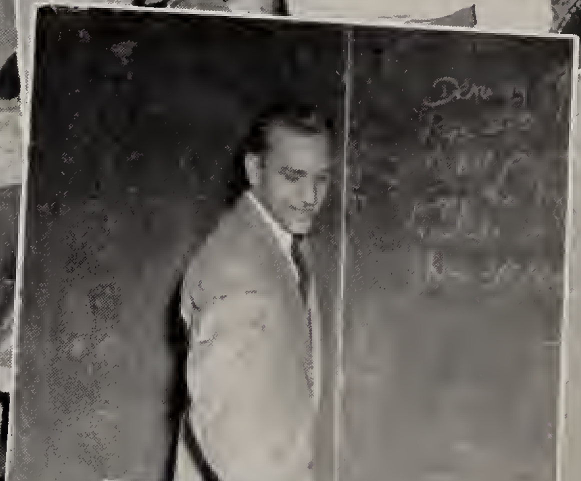
H. KAGEY





H. FORNEY

V. AREAUX



M. ROSE

R. RAMSAY

G. MOORE

E. TARBELL

L. AUTEN

A. ANDOLINA

The Office Staff

COMMERCE
Sydney

OFFICERS:

Clark, Barnes, Del Coco, Evans, Ehrenberg.

Alpha Beta Alpha

The purpose of this Honorary Society, which was founded in 1938, is to promote and recognize scholastic ability, leadership, and character among the students of the School of Commerce.

Requirements for eligibility are based primarily on scholarship. A "B" average, with not more than one "C", is to be maintained for four successive terms. Six members are elected into the society each term.

Under the guidance of Professors H. R. Hoolihan and H. W. Hoolihan, the society encourages its members and all future members to mantain a high scholastic standing. The high ideals set by Alpha Beta Alpha serve as an incentive to all students in the Commercial School.

Glen Spiedel, Robert Curtis, Stanley Kwitek, Raymond Benson, Allan Benson, Charles Benjamin, Robert Waters, Helen Waters.

James Redd, Virginia Curtis, Charles Lindberg, Walter Struck, Joe Christopher, Joe Nile, Alfonse Groch, John Ehrenberg.

Bob Hamilton, Dick Lobb, Ervin Krenn, Walter Clark, John Clark, Joseph DelCoco, Stanley Marcus, Frank Toussant.

Victor Mainente, Dick Evans, Clinton Henderson, Dick Barnes, H. W. Hoolihan, H. R. Hoolihan.

Department of Accounting

The curriculum in this department is planned and presented with the purpose of affording an enduring foundation in the fundamentals of business. Accounting as presented here conceives business as a mass of compound elements, which must develop into a most harmonious and efficient unit of general social progress. The subjects here, under the nominal title of accounting, are offered as the best manner in which to acquire a practical working knowledge of those fundamental factors necessary for construction and growth in the uses and purposes of business. For that reason, emphasis in this department of accounting is placed upon accounting theory and practice.

The Sigma Epsilon Society, which was organized in 1933, sponsors organized activities and provides a closer relationship between the students of the Accounting Department and the faculty. Talks given by professional men at society meetings bring to the students new developments in the field of business.

Front row, left to right: H. Diaz. C. A. McKesson, C. B. Henderson, W. R. Johnson.

Back row, left to right: C. C. Love, C. Strelinski, R. D. Springer, D. E. Lobb, R. D. Lobb, F. C. Schmidt, G. W. Boothroyd, R. Grothouss, H. Waters, R. Waters, E. A. Krenn.

Bachelor of Science in Accounting

ACKERMAN, JAMES S., *South Bend, Indiana,* Sigma Epsilon; BAWDEN, DEAN P., *Coldwater, Michigan*; BEARD, ROBERT H., *Auburn, Indiana,* Sigma Epsilon; BENJAMIN, CHARLES R., *Indianapolis, Indiana,* Alpha Beta Alpha; BOGGS, FRANKLYN C., *South Bend, Indiana,* Sigma Epsilon; BOLIN, FURM J., *LaGrange, Indiana*; BUZZELL, ROBERT E., *Florence, Vermont.*

CURTIS, ROBERT B., *Charlotte, Michigan,* Alpha Beta Alpha, Student Council; CURTIS, VIRGINIA J., *Milwaukee, Wisconsin,* Alpha Beta Alpha; DEL COCO, JOSEPH P., *Altoona, Pennsylvania,* Phi Sigma Chi, Sigma Epsilon; DEMARA, LEROY D., *Romulus, Michigan,* Sigma Epsilon; EVANS, ROBERT O., *Edgeworth, Pennsylvania,* Sigma Mu Sigma, Inter-Fraternity Council; GINTHER, JOHN A., *East Chicago, Indiana*; GROCH, ALPHONSE T., *Michigan City, Indiana.*

GROTHOUSE, RALPH H., *Delphos, Ohio,* Phi Kappa, Student Council, Inter-Fraternity Council, Sigma Epsilon, Tri-Angle; GUILFORD, RUSSELL W., *Angola, Indiana*; HAMILTON, ROBERT W., *New Castle, Pennsylvania,* Alpha Beta Alpha, Sigma Epsilon, Tri-Angle, Modulus, Student Council; HENDERSON, CLINTON B,. *Burlington, Iowa,* Sigma Epsilon, Alpha Beta Alpha. HOLAS, EUGENE S., *Toledo, Ohio,* Sigma Epsilon, Tau Kappa Epsilon; HUBBELL, LUCILLE F., *Angola, Indiana*; JOHNSON, ROSS H., *Pleasant Lake, Indiana,* Sigma Epsilon, Bowling.

Bachelor of Science in Accounting

KRENN, ERVIN A., *Decatur, Michigan,* Sigma Epsilon, Alpha Beta Alpha, Tri-Angle, Modulus; KWITEK, STANLEY J., *South Bend, Indiana,* Sigma Epsilon, Alpha Beta Alpha; LINDBERG, GEORGE W., *Rockford, Illinois,* Sigma Epsilon, Alpha Beta Alpha; LOBB, RICHARD D., *Linden, Michigan,* Sigma Epsilon, Alpha Beta Alpha; MATSON, CLARK E., *Angola, Indiana*; McKESSON, CHARLES A., *Walkerton, Indiana,* Sigma Epsilon, Dramatics Club, College Band; MILLER, BETTY MAE, *Angola, Indiana.*

REDD, JAMES E., *Tallahassee, Florida,* Alpha Beta Alpha; REMINICKY, ALBERT N., *Angola, Indiana;* ROOF, ROBERT H., *Tavares, Florida;* SHANK, DONALD V., *Angola, Indiana,* Tau Kappa Epsilon; SITEK, EMIL, *Toledo, Ohio,* Tau Kappa Epsilon, Sigma Epsilon; SPEIDEL, GLEN E., *Centreville, Michigan,* Alpha Beta Alpha; SPRENGER, RICHARD W., *Goshen, Indiana.* Sigma Epsilon.

STRUCK, WALTER J., *Bensenville, Illinois*; SULECKI, THADDEUS J., *Erie, Pennsylvania*; TROYER, JAMES W., *Angola, Indiana,* Alpha Sigma Phi; WADE, PEYTON E., *Arlington, Texas,* Sigma Epsilon, Student Council; WATERS, HELEN M., *Glendale, California*; WATERS, ROBERT L., *Johnstown, Pennsylvania,* Sigma Epsilon, Alpha Beta Alpha; WILKISON, RICHARD A., *New Castle, Pennsylvania.*

Department of Business Administration

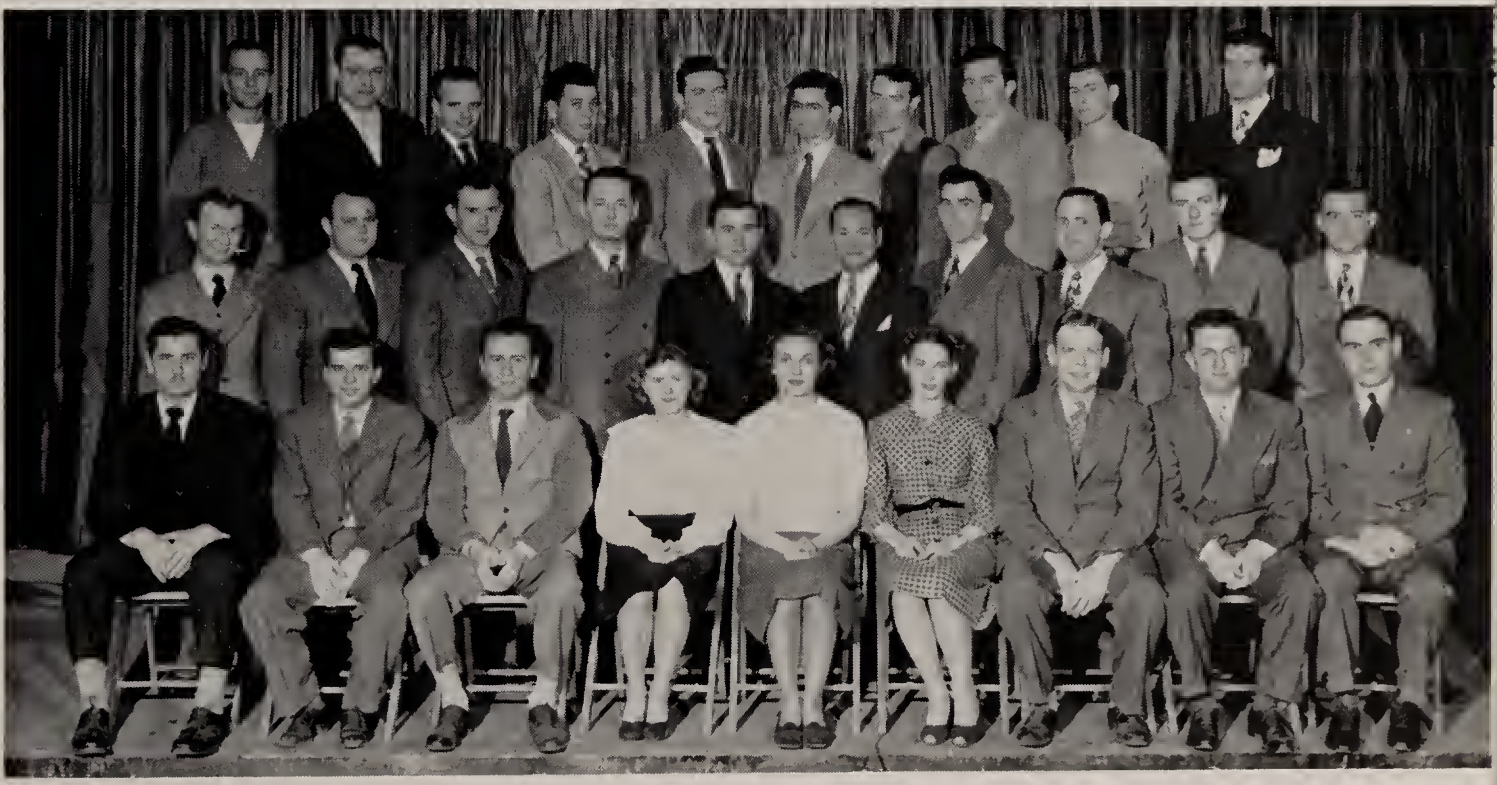
It is now an accepted fact that formal education beyond the high school level is necessary for any measure of success. College instruction will shorten the apprenticeship necessary for the more responsible positions in the business world. It was the recognition of this new development that led to the establishing of the Department of Business Administration in the School of Commerce. The work in this department is so outlined that the first four terms are devoted to general foundation courses, followed by more specialized instruction.

The Sigma Epsilon Society serves as a bond to unite students of Business Administration with other students in the School of Commerce and with the faculty. Meetings feature informative talks by outstanding businessmen, and each term's activities are climaxed by a Society banquet.

First row—G. E. Mazurkiewicz, R. Scholl, Wm. Geczi, M. E. Shideman, B. J. Stevens, E. Duncan, H. R. Hoolihan, J. Clark, R. E. Hiser.

Second row—J. K. Slaten, C. Miller, B. Kio, R. F. Mahaffey, R. L. Barnes, Yu Min Ling, R. E. Comar, R. E. Trimmer, D. F. Creedman, J. J. Duckett.

Third row—L. J. O'Herron, W. E. Cutler, K. N. Sheely, R. H. Grothous, J. F. Lindemann, W. K. Storm, B. G. Rice, C. R. Densmore, E. McMurray, W. L. Thourlby.



Bachelor of Science in Business Administration

ARNOLD, DONALD D., *Auburn, Indiana;* BAKER, JOSEPH EDWARD, *Akron, Ohio,* Phi Kappa; BAKER, JOHN D., *Akron, Ohio,* Phi Kappa, Student Council, Sigma Epsilon; BAKSTAD, DANIEL S., *Angola, Indiana;* BARD, ROBERT R., *Mount Union, Pennsylvania,* Tau Kappa Epsilon; BARNES, RICHARD L., *Columbia City, Indiana,* Sigma Epsilon, Alpha Beta Alpha; BENSON, ALLAN B., *Jackson, Michigan,* Alpha Beta Alpha, Sigma Epsilon.

BENSON, RAYMOND J., *Jackson, Michigan,* Alpha Beta Alpha, Sigma Epsilon; BAWDEN, ROBERT C., *Coldwater, Michigan*; CATHEY, GLENN V., JR., *Lansing, Michigan,* Sigma Epsilon; CHOKEY, EUGENE E., *Wakarusa, Indiana,* Phi Sigma Chi; CHRISTOPHER, JOSEPH J., *Broad Brook, Conn.,* Alpha Beta Alpha, Sigma Epsilon; CLARK, JOHN, *Franklin, Pennsylvania,* Sigma Epsilon, Alpha Beta Alpha; COMAR, ROBERT E., *Hillsdale, Michigan,* Sigma Epsilon, College Band.

CUTLER, WILLIAM E., *Youngstown, Ohio,* Sigma Epsilon, DAVIDSON, V. G., *Long Beach, California;* DORNBOS, VIRGINIA, Sigma Epsilon; DUCKETT, JOHN J., *Canton, North Carolina,* Tau Kappa Epsilon, Sigma Epsilon; DUNCAN, ELIZA S., B. S. In Secretarial Science, *Indiana, Pa.,* Sigma Epsilon; EHRENBURG, JOHN J., *Buffalo, New York,* Sigma Epsilon, Alpha Beta Alpha; FORMAN, LEAMEN I., *Dixon, Illinois,* Tau Kappa Epsilon.

GIBSON, HAROLD F., *Pleasant Lake, Indiana,* Alpha Sigma Phi, Sigma Epsilon; GOLDBERG, SOL M., *Pittsburgh, Pennsylvania,* Sigma Epsilon; HAMILTON, BRUCE E., *New Castle, Pennsylvania,* Sigma Mu Sigma; HERSH, ROBERT A., *Angola, Indiana.*

Bachelor of Science in Business Administration

HISER, ROSS E., *Fort Wayne, Indiana,* Sigma Epsilon; KAMP, RICHARD C., *Fort Wayne, Indiana,* Phi Sigma Chi, Sigma Epsilon; KANE, ALEX, *Auburn, Indiana,* Sigma Epsilon; KELLY, ROBERT B., *Romeo, Michigan,* Aero Society; KELSO, ROBERT H., *Sturgis, Michigan,* Beta Phi Theta; LING, YU MIN, *Havana, Cuba,* Sigma Epsilon, Chinese Student Club; MAZURKIEWICZ, GERALD E., *Grand Rapids, Michigan,* Sigma Epsilon, Phi Sigma Chi.

McBRIDE, JOHN C., *Angola, Indiana*; MILLER, COURTLAND G., *Columbus, Nebraska,* Student Council, Sigma Epsilon, Student-Faculty Athletic Committee; NICHOLS, LYLE A., *Jackson, Michigan,* Sigma Epsilon; NILE, JOSEPH E., *Jackson, Michigan,* Alpha Beta Alpha, Sigma Epsilon; O'HERRON, LAWRENCE J., JR., *Detroit, Michigan,* Sigma Epsilon; O'HERRON, PHILLIP, *Detroit, Michigan,* Sigma Epsilon, Tau Kappa Epsilon; PARLOW, JAMES M., *Potsdam, New York,* Tau Kappa Epsilon, Sigma Epsilon, Student Council.

RAMP, ROBERT J., *Angola, Indiana,* Phi Sigma Chi, Tri-Angle; RICE, BERNARD G., *Angola, Indiana,* Sigma Epsilon; SCHOLL, ROBERT E., *Hillsdale, Michigan,* Alpha Sigma Phi, Sigma Epsilon, Student Council; SHEERIN, DANIEL D., *Indianapolis, Indiana,* Sigma Epsilon, Dramatics Club; THOMAS, WILLIAM GARNET, *Winnipeg, Manitoba, Canada,* Civil Soc., Canadian Club, Who's Who 47-48; TOUSSANT, FRANK W., *Canton, Ohio,* Phi Kappa, Sigma Epsilon; TREMPER, JACK B., *Streator, Illinois,* Sigma Epsilon.

TRIMMER, RALPH E., *Angola, Indiana,* Who's Who, Sigma Epsilon, Modulus, Student Council, Tri-Angle, Skull and Bones; WARSTLER, NORMAN E., *Pleasant Lake, Indiana,* Sigma Epsilon; WELLS, JACK B., *Angola, Indiana*; WHARTON, ROBERT V., *Elkhart, Indiana,* Beta Phi Theta; YARBER, BRADFORD S., *Holyoke, Massachusetts,* Beta Phi Theta.

NO
PARKING
HOTEL
ENTRANCE

Gay Time

Seniors

What does the future offer? This is a question foremost in the minds of many of us graduates who are entering a world of industry. All of us wish to be successful in all of our undertakings, but statistics prove that in the past but a small percentage of individuals have ever been very successful. The road to success is often beset with many hardships and difficulties, but those possessed with great preseverance and dogged determination will ultimately reach the desired goal. The world of today is confronted with many problems which stand as challenges to the modern graduate. May we ever carefully analyze and make the proper application of the fundamentals toward that goal which we seek.

On behalf of the Senior Class of 1948, I thank the faculty for the cooperation and patience that they have shown us.

HOMER L. DRAPER
President, Senior Class

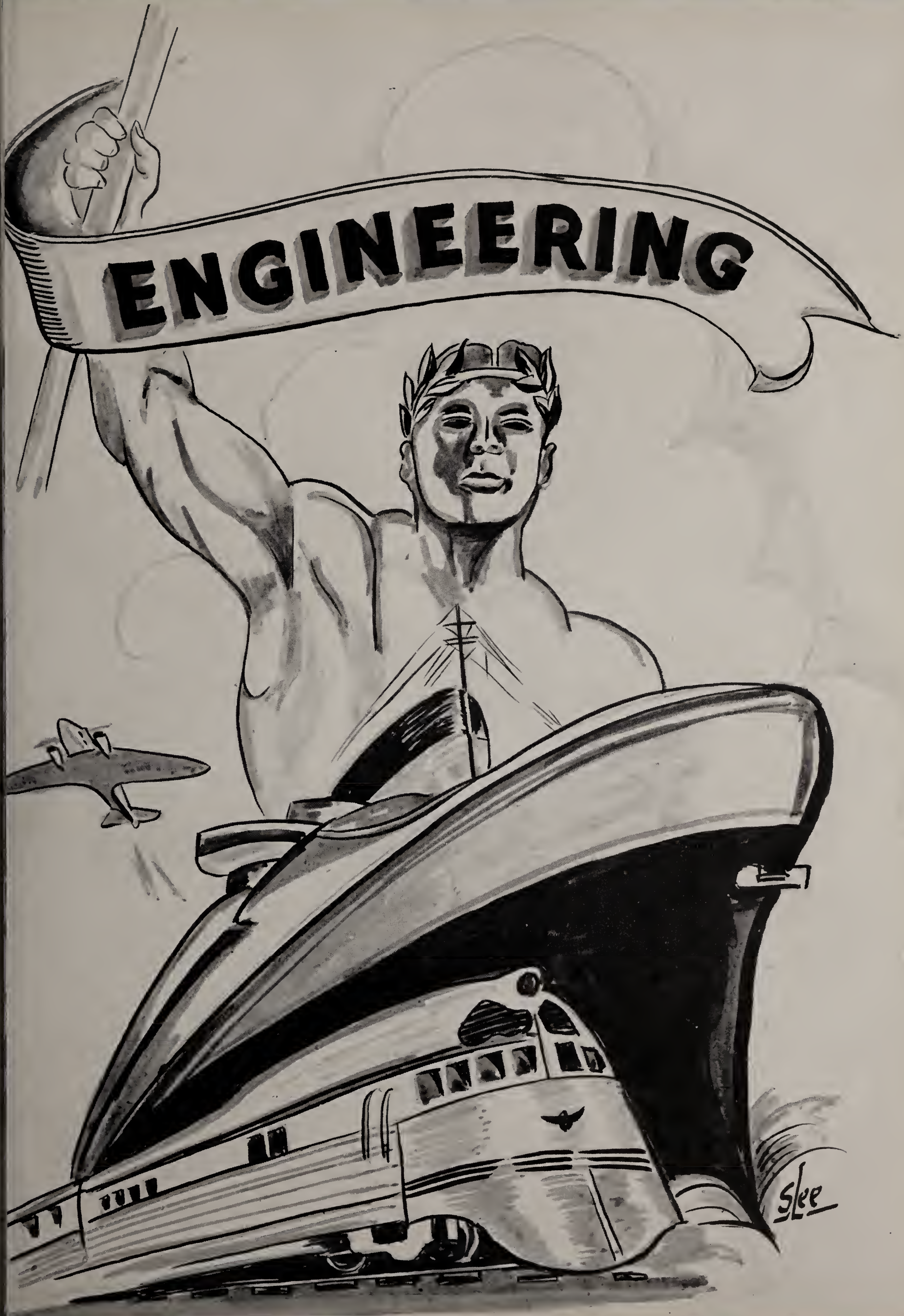
H. DRAPER
President

N. MIKASINOVICH
Vice President

E. CORNELIAS
Secretary

W. HARRIS
Treasurer

Senior's Last Mile


ENGINEERING
Slee

OFFICERS

TRESSLER, *President*
WITT, *Vice President*
LINDERMMAN, *Secretary*
McINTYRE, *Treasurer*

Tau Sigma Eta

Tau Sigma Eta Honorary Engineering Society was organized in 1930. The purpose of the Society is to recognize and reward students for outstanding scholastic work, and character.

The qualifications for membership are high. A student must have completed four consecutive terms, carrying the regular four courses of college work in any engineering department, with an average grade of "B" and no grade below "C". Seven members are elected each term.

Today the technical requirements for industry are extremely exacting. Everything is made according to definite specifications. The workmen meeting these demands are those who have reached the goal of perfection in their work. The student who has set his mind on the attainment of the coveted key of Tau Sigma Eta exemplifies that old saying which goes "If it's worth doing, it's worth doing well."

Tau Sigma Eta stands for the ideal in campus organization; brotherhood and friendship, a well-balanced social program, and the maintenance of high scholastic records.

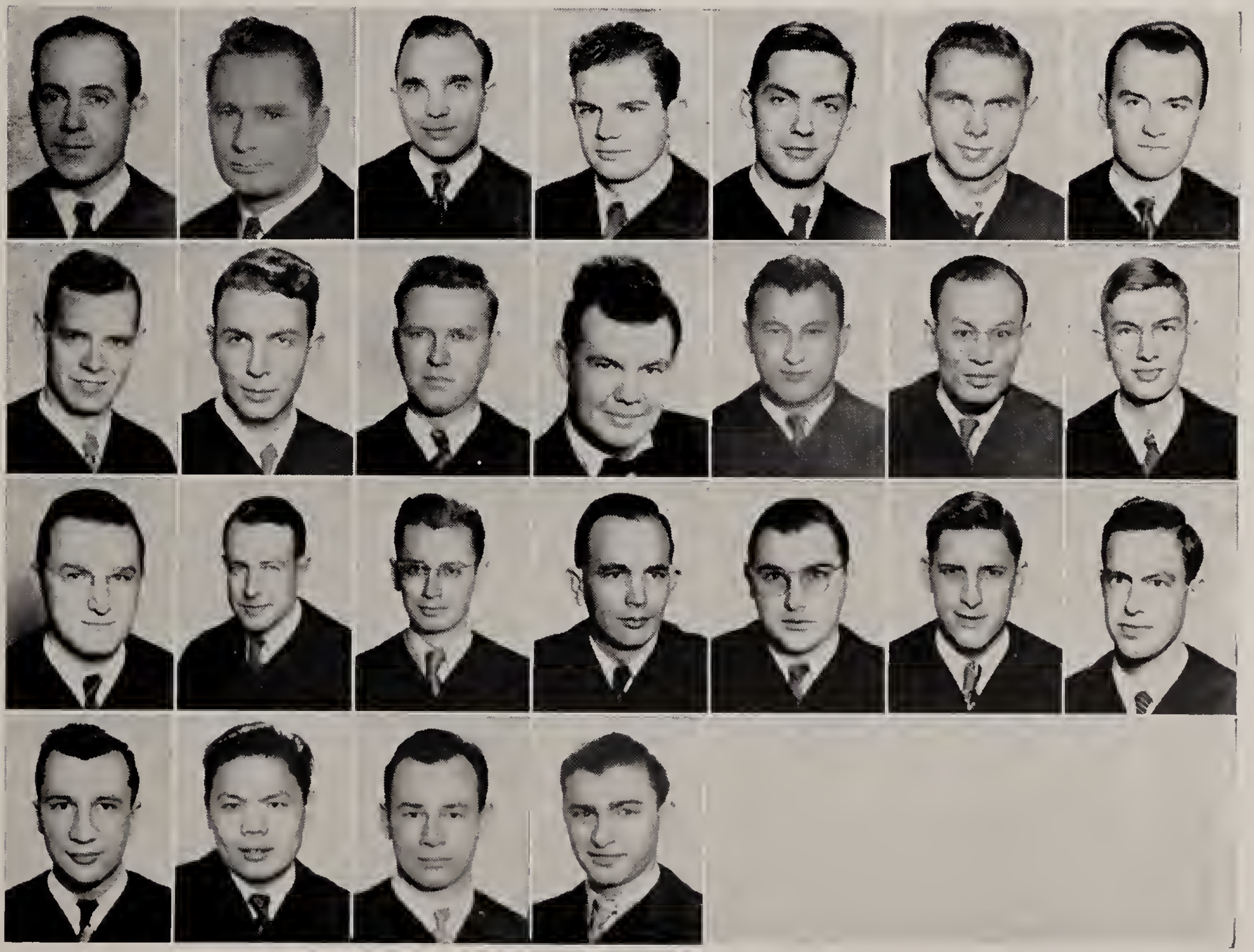
Honorary Engineers

Abrams, Richard; Bohn, Frederick; Brown, Bernard; Brown, Robert; Bumback, William; Clouse, Max; Cummings, Lawrence.

Dankert, Eugene; Darnell, Fred; Demers, Alfred; DeBoe, Marshall; Faust, Reinhold; Fong, Samuel; Gault, Warren.

Gillett, William; Gurney, David; Hardwick, George; Heckert, Harold; Hertzog, Walter; Johnson, Melvin; Jonas, Rolf.

Kelemen, Robert; Lee, Sidney; Lenoff, Walter; Levy, Isaac.



Tau Sigma Eta Honorary Engineers

Lindermann, John; Mahaffey, Ray; Manago, Joe Jr.; McIntire, Owen; McLaughlin, Robert; Most, Norton; Penza, Chester.

Phinney, Harold; Ralston, Robert; Robin, David; Schott, Arthur; Simmons, Calvin; Sink, George; Smith, Otto.

Stinson, Charles; Swigart, John; Tavory, Oded; Theurer, Don; Tressler, John; Ver Berkmoes, Peter; Walker, Kenneth.

Wambold, Glen; Wooten, Allen; Over, Donald; Witt, Charles.

The Thinkers

The Class President Is Nominated

Aeronautical Engineering Society

The Institute of Aeronautical Science is a national organization of Aeronautical Engineers. It has as members some of the world's best and most famous pilots and engineers connected with aviation and its many professional fields. The Institute publishes a journal designed to keep the members familiar with the developments and achievements in the aviation industry.

The business activities are in

OFFICERS

Laurito, Russell, Kelly.

From left to right, first row—Acton, R. M. Smith, Laurito, Kohart, Keckler, Dnistran, Boose.

Second row—Ciezak, Hardwick, O'Hare, Klein, Gault, Steele, Johnson, Eddy.

Third row—Jenner, Sveda, Kintis, Ellison, Austin, Eicher, Esbell, Gurney.

Fourth row—Porter, Bajek, Glassmeyer, Frennd, Russell, Sheely, Crawford, Niesse.

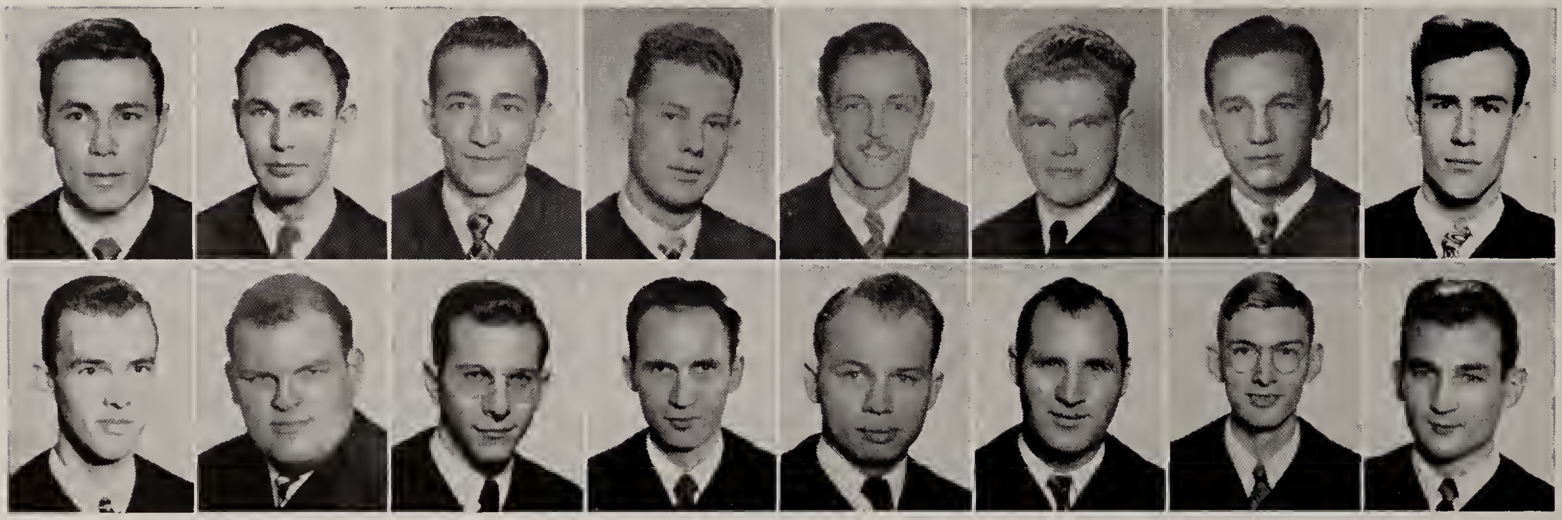
Aeronautical Engineers

the hands of three officers; a chairman, a vice-chairman, and a secretary-treasurer. These three officers are elected by popular vote at a banquet held each term. This banquet is the high spot of each term's activity and usually features a well-known speaker.

The Aeronautical Society at this time wishes to extend its best wishes for good luck and success to the graduating class of 1948.

BADGER, PAUL F., *Battle Creek, Michigan;* BLACK, JOHN R., *Cincinnati, Ohio,* Aeronautical Society; BOOSE, RAYMOND F., *Norwalk, Ohio,* Aeronautical Society; BREWER, PAUL E., JR., *Sikeston, Missouri*; BROWN, LEE D., *East Sparta, Ohio,* Alpha Sigma Phi; BUTLER, PAUL A., *LaFayette, N. Y.,* Phi Kappa, Student Council, Aeronautical; CIEZAK, THEODORE J., *Buffalo, N. Y.,* Photo Society, Aeronautical Society; CLARK, ORA T. JR., *Hamilton, Indiana,* Rocket Society, Aeronautical Society.

CRAWFORD, CLARENCE L., *Cleveland, Ohio;* EDDY, DONALD J., *Gary, Indiana,* Sigma Mu Sigma, Aeronautical Society, Student Council, Inter-Fraternity Council, Tri-Angle Staff, Modulus, Band; ELLISON, DONALD, Tri-Angle, Aero Soc., Sigma Phi Delta; EVERETTS, BLAINE K., *Hamilton, Indiana,* Sigma Phi Delta, Aeronautical Society; FREUWD, D. HERBERT, *Kalamazoo, Michigan,;* FREUND, ERNEST E., *South Bend, Indiana;* GAULT, EARL W., *Walsenburg, Colorado,* Tau Sigma Eta, Aeronautical Society; GENETTI, CHARLES A., *Lansing, Michigan.*



GLASSMEYER, CLIFFORD EDWIN JR., *Marion, Ohio,* Rocket Society; GURNEY, DAVID M., *Corunna, Michigan,* Tau Sigma Eta, Aeronautical Society; HARDWICK, GEORGE C., *Elkhart, Indiana,* Tau Sigma Eta, Aeronautical Society; HAWK, CARL D., *Elkhart, Indiana,* Aeronautical Society; ISBELL, RALPH W. JR., *Angola, Indiana,* Aeronautical Society; JENNER, MILLARD I., *Ogdensburg, N. Y.,* Sigma Phi Delta, Aeronautical Society; JOHNSON, WILLIAM W., *Napoleon, Ohio,* Aeronautical Society; KECKLER, JOHN W., *Angola, Indiana,* Aeronautical Society, Treas. Senior Class, Student Council.

KEMPF, NEAL P., *South Bend, Indiana;* KINTIS, DINO H., *Milwaukee, Wisconsin;* KLEIN, NORBERT H., *Wyomissing, Pennsylvania;* KOHART, HAROLD R., *Gibsonburg, Ohio,* Aeronautical Society; LARSON, GLENN W., *Angola, Indiana;* LAURITO, ROCCO A., *Fredonia, N. Y.,* Alpha Sigma Phi, Aeronautical Society, Chorus; LIVENGOOD, LYNN W., *Norwalk, Ohio,* Aeronautical Society; MILLER, KERMIT J., *Westlake, Ohio.*

MUSHLIT, RICHARD H., *Angola, Indiana;* NIESSE, WILLIAM H., *Madison, Indiana;* O'HARE, JOHN H,. *Indiana, Pennsylvania,* Phi Sigma Chi, Aeronautical Society, Student Council; PASZLI, LOUIS J., *South Bend, Indiana,* Phi Kappa, Aeronautical Society; PETERSON, RICHARD S., *Linesville, Pennsylvania,* Tau Kappa Epsilon, Student Council, Inter-Fraternity Council, Aeronautical Society; PORTER, WILLIAM A., *Chicago, Illinois,* Sigma Phi Delta, Sec. Photo Society; REINSCH, JOHN F. JR., *Albion, Indiana,* Aeronautical Society, Sigma Mu Sigma; RENEHAN, WILLIAM L., *Gary, Indiana,* Phi Sigma Chi, Student Council, Aeronautical Society.

RUSSELL, DAVID J., *Brooklyn, N. Y.;* SHEELY, KENNETH N., *La Crosse, Indiana,* Sigma Epsilon, Phi Sigma Chi, Student Council, Aeronautical Society; SMITH, ROBERT M., *Upper Darby, Pennsylvania;* STEELE, JOHN F., *Astoria, N. Y.,* Aeronautical Society; SVEDA, JOSEPH, *Cleveland, Ohio,* Student Council, Aeronautical Society.

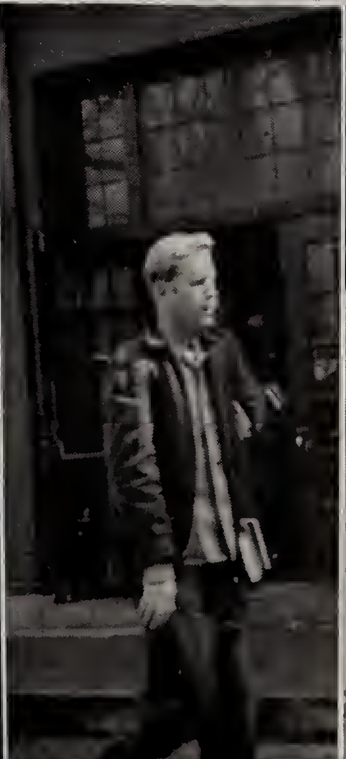
The Airminded

Chemical Engineering Department

The work of the Chemical Engineering course is intended to teach the students the fundamental principles of chemical engineering practice and to point out the importance of sound theory as the basis of all practical engineering problems.

The chemist performs analytical or research work which is primarily carried on in a laboratory. Industry progresses by utilizing the results of research work, and the chemical engineer with a knowledge of both the laboratory and the requirements of technical manufacturing should be able to test this research work on successively larger scales and to eliminate the difficulties involved in the operation and design of new equipment.

In this department the purpose is not to drill students in technical details which must be picked up in practice, but to offer a sound training in fundamentals.



Bachelor of Science In Chemical Engineering

GIGAX,
JOHN F.
Angola, Indiana
Chemical Eng. Society

ALBERTH,
WALTER C.
Connoiville, Ohio
Chemical Eng. Society

ANDERSON,
RICHARD D.
Coldwater, Michigan

BEEGLE,
JOSEPH F.
LaGrange, Illinois
Chemical Eng. Society

BLANZY,
EUGENE J.
Pontiac, Michigan
Dramatics Club
Chemical Eng. Society

BRIDEWELL,
HAROLD E.
Indianapolis, Indiana
Chemical Eng. Society
Rocket Society

HIGA,
M.
Honolulu

CAPPELLINO,
CHARLES P.
Brocton, New York
Chemical Eng. Society

DEMERS,
ALFRED J.
Lawrence, Mass.
Tau Sigma Eta
Chemical Eng. Society

DIXON,
MARCUS A.
Angola, Indiana
Chemical Eng. Society

DUNHAM,
HOWARD C., JR.
Covington, Ky.
Chemical Eng. Society
Sigma Phi Delta
Student Council

DUSBIBER,
WARREN M.
Ypsilanti, Michigan
Chemical Eng. Society

ELLIOTT,
PAUL F.
Goshen, Indiana
Chemical Eng. Society

ENYART,
GLENN A.
LaGrange, Indiana
Tau Kappa Epsilon
Student Council
Chemical Eng. Society
Alpha Lambda Tau

FIELD,
ARTHUR G.
Chicago, Illinois
Chemical Eng. Society
Tri-Angle
Modulus
Photo Club

Bachelor of Science In Chemical Engineering

JOHNSON,
MELVIN L.

Sturgis, Michigan

Tau Sigma Eta
Chemical Eng. Society
Reserve Officer Assn.

KUNTZMAN,
CHARLES Y.

Belleville, Illinois

Tau Kappa Epsilon
Chemical Eng. Society

LOMAX,
JAMES E.

Bushnell, Illinois

Chemical Eng. Society

McCONNELL,
KENNETH B.

Brooklyn, N. Y.

Tau Kappa Epsilon
Chemical Eng. Society
Student Council

MEILY,
GEORGE F.

Camp Hill, Penn.

Chemical Eng. Society
Photo Club
Glee Club

MICHALKO,
ANN

Ossining, N. Y.

Chemical Eng. Soc.
Rocket Society

PORTER,
RAYMOND L.

Angola, Indiana

PUKSEN,
JOHN

Brewick, Pa.

Chemical Eng. Society

RALSTON,
ROBERT E.

Delphos, Ohio

Tau Sigma Eta
Chemical Eng. Society

RICE,
DONALD W.

Olean, New York

Chemical Eng. Society
Phi Sigma Chi

TAVORY,
ODED

Ahuza, Haifa, Palestine

Chemical Eng. Society
Tau Sigma Eta

TOPE,
RAYMOND S.

London, Ohio

Chemical Eng. Society
Student Council

WEAVER,
JACK H.

Angola, Indiana

Chemical Eng. Society
Student Council
Sigma Phi Delta

WIEWANDT,
CARL F.

Fremont, Ohio

Sigma Phi Delta
Chemical Eng. Society

WIEWANDT,
PAUL R.

Fremont, Ohio

Sigma Phi Delta
Chemical Eng. Society

YANKA,
RICHARD A.

Vicksburg, Michigan

Chemical Eng. Society
Student Council

The Chemical Engineering Society

The Chemical Engineering Society was organized many years ago with its main purpose being to create a closer relationship among the students of Chemical Engineering and to foster a deeper interest in their profession. This aim is furthered by bringing before the students both the old and new theories of the field. These theories are presented and explained by well-known speakers from the fields of chemistry and chemical engineering. Movies are shown and field trips are made when ever possible. This year's field trip was to the National Chemical Societies Convention in Indianapolis.

Membership in the society is not compulsory and the students of Tri-State, enrolled in Chemical Engineering, with a desire to discuss engineering and related problems may join. At the present time meetings are held every Wednesday evening.

The members of the Chemical Society wish to express their appreciation for the fine work of Professors G. Moore, S. Slanina, K. Newnam, and Mr. Bezik and to wish every success to the members of the graduating class of 1948.

OFFICERS

LOMAX, TOPE, ELLIOTT, GIGAX.

FIRST ROW—C. Cappellino, P. F. Elliot, R. A. Yanka, A. Michalko, A. J. Demers, J. F. Gigax, M. Tucker.

SECOND ROW——C. F. Wiewandt, P. R. Wiewandt, G. F. Meily, J. E. Lomax, K. B. McConnell, H. C. Dunham, M. L. Johnson, C. Lyra.

THIRD ROW—R. L. Stork, C. Y. Kuntzman, A. G. Field, D. W. Rice, M. J. Bezik, J. S. Crowl, R. S. Tope, J. F. Beegle, E. J. Blanzy.

FOURTH ROW—A. Honkanen, O. Tavory, J. H. Weaver, R. L. Porter, J. C. Ashmead, R. J. Clifford, O. H. Crider, D. Wonch.

Civil Engineering Department

The work of the Civil Engineer course is intended to teach the students the fundamental principles of civil engineering practice and to point out the importance of sound theory as the basis of all practical engineering problems. It is also intended to give the source from which they can find the information necessary to make successful surveyors, highway, municipal, and railroad engineers, and to help structural engineers in wood, steel, and concrete design.

Civil engineering is, therefore, divided into many branches. A person practicing in any one of these fields may be classified as a civil engineer. These divisions have been brought about through the increasing requirements placed on the profession. The successful civil engineer must have not only the fundamental principles underlying all these divisions, but must have a certain degree of skill in applying them.

The civil engineer does not always achieve his greatest success from his background of technical training although the habit of thought acquired during this period often trains him for executive and administrative work. The planning and executing of important work bring to the surface qualities of leadership. The reading of the biographies of great men reveal that many of them were civil engineers. The exactness of reasoning instilled in the mind of the student is such that he becomes a thinker and a builder who can build an organization as well as a structure.

OFFICERS:
Walters, Todd, Hunt, Wallace, Bennett.

Civil Engineering Society

Members of this society may justly feel proud of the activities they have taken part in at the regular meetings of the past year. It is very proper to state that the society has passed all records of other years in promoting friendship and mutual interest among the Civil students.

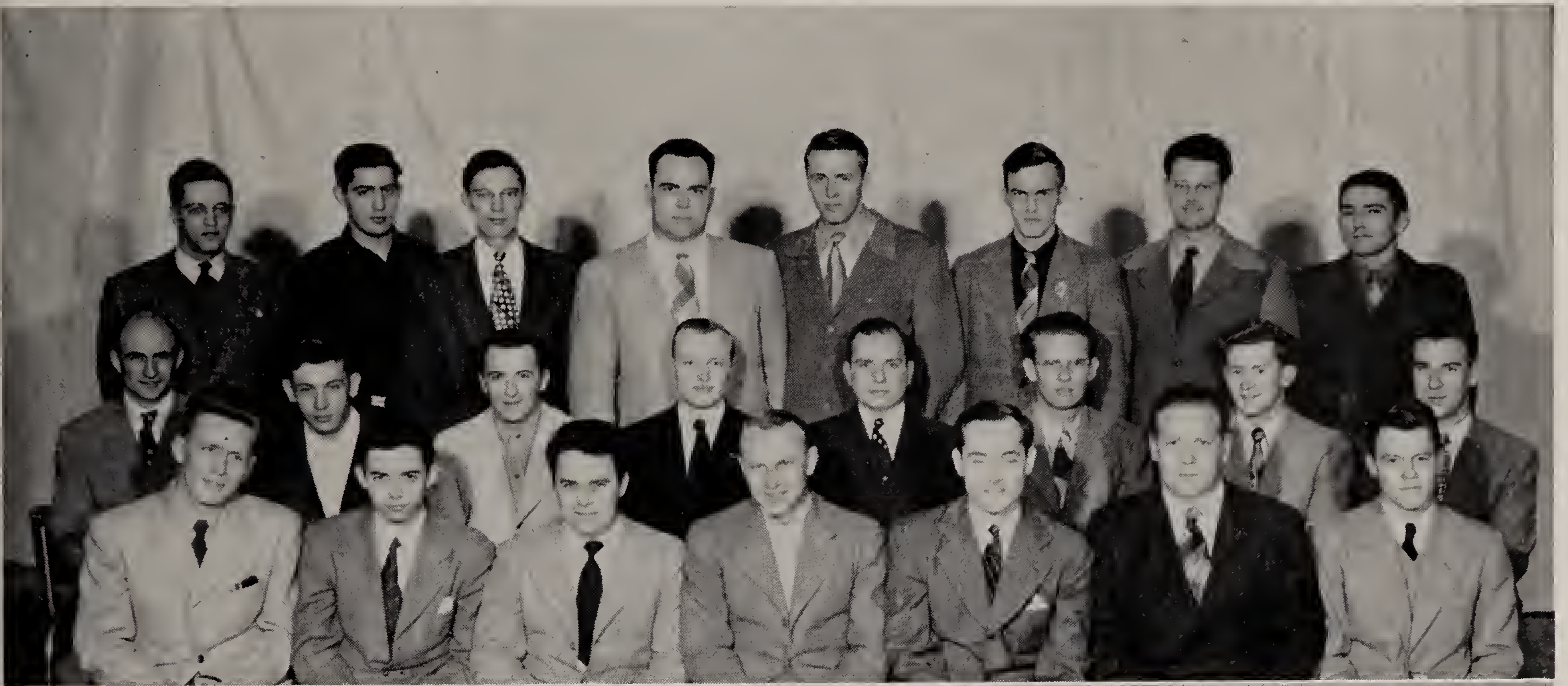
The society was fortunate to obtain several speakers and some motion pictures both related to Civil Engineering work. During the term several efforts were also made to obtain a membership in one of the national Civil Engineering societies and action on this matter is still pending. The Society was able to affiliate with the American Roadbuilders Association in the form of a Student Chapter on the Campus of Tri-State College. These affiliations afford the Civil society member with the opportunity of keeping current with the outside civil field by receiving monthly bulletins, magazines, and other literature pertinent to the civil field.

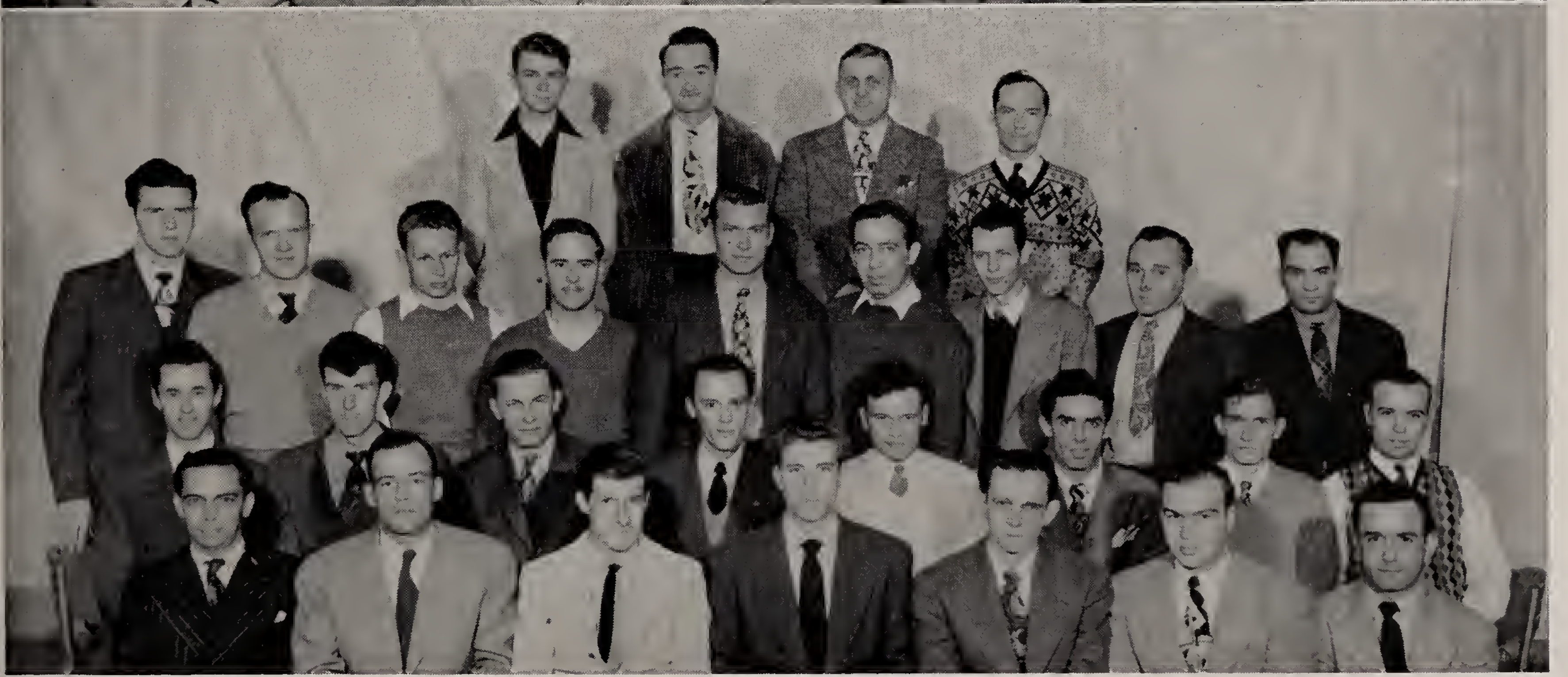
It is hoped by the passing members of the society that future members shall carry forward the work and progress, remembering our motto, "We will progress."

FIRST ROW—O. A. Svennes, W. T. Lavey, A. M. Gilpatrick, T. S. Bakes, N. H. Sutton, C. R. Shade, P. B. Vernon.

SECOND ROW—C. W. Covill, R. T. Fox, T. E. Jordan, S. M. Levers, J. A. Ough, H. M. Korbus, R. E. Lynch, F. Leydecker.

THIRD ROW—Crain, R. D. Rios, H. Erbacher, M. L. Rotramel, L. O. Thompson, R. W. Haslett, P. E. Phares, M. J. Spotts.





From left to right, first row—Bello, Vernon, Todd, Deems, Connell, Havill, Torres.

Second row—Thomas, Heaslett, V. Apple, A. W. Klimak, Wahers, Colberg, Haines, Harbaugh.

Third Row—Selman, Bennett, Raynor, Williamson, Grover, Kays, Reynolds, I. Alger, A. E. Gilligan.

Fourth row—Armstrong, Gooch, Wallace, Breidenbach.

Bachelor of Science In Civil Engineering

ALMQUIST, ADOLPH SPENCER, *Rockford, Illinois;* ALGER, IVAN R., *Fairlee, Vt.,* C. E. Society, Student Council, Phi Sigma Chi Fraternity, American Roadbuilders, Assn.; APPLEGATE, JAMES WORLEY, *Ingomar, Pa.;* APPLE, VALENTINE, *Angola, Indiana,* Civil Eng. Soc.; ARMSTRONG, THOMAS L., *Amarillo, Texas;* ARMSTRONG, JAMES WM., *Amarillo, Texas;* ARRINGTON, JULIUS EDWARD, *Goode, Va.,* Civil Eng. Soc.

BAKES, TONY S., *Benton, Illinois,* Civil Eng. Soc., Student Council, American Roadbuilders Assn.; BARD, MAX HILEMAN, *Mt. Union, Pa.,* TKE Fraternity; BENNETT, AINSWORTH M., *Rochester, N. Y.;* BELLO, FRANCISCO, *Caracas, Venezuela,* Civil Eng. Soc., Phi Iota Alpha Frat; BREIDENBACH, RICHARD T., *Johnstown, Pa.* Civil Eng. Society; BRYIE, ALFRED WILLIAM, *Sturgis, Michigan,* Civil Soc.; BURCHFIELD, LEONARD ROBERT, *West Blocton, Alabama,* Civil Soc.

CENTER, KEITH H., *San Bernadino, Cal.,* Civil Soc.; CRAIN, WILLIAM GAIL, *Elkhart, Ind.,* Civil Soc.; DRENTH, DALE A., *Kalamazoo, Michigan,* Alpha Sigma Phi Frat.; DAVIS, ELWOOD GLENN, *Corry, Pa.,* DEBOE, H. M., *Coldwater, Mich.;* DEEMS, TERRENCE B., *Santa Cruz, Calif.;* GILPATRICK, AMIRA MEADOR, *Haskell, N. J.,* Phi Kappa, Civil Soc., Inter-Frat. Council.

GIBBONS, JOHN WILLIAM, *Scranton, Pa.,* Civil Soc., Phi Kappa Frat.; GLOER, DONALD L., *Fremont, Ohio,* Civil Soc.; GRANATA, JOHN J., *Fredonia, N. Y.,* Civil Soc., American Assoc. Road Builders, Sigma Phi Delta; GROUCH, PAUL B., *Badger, Minn.,* Civil Soc., Sigma Phi Delta; GULVIN, DONALD EDWARD, *Canandaigua, N. Y.,* Phi Kappa; HAINES, JOSEPH, *Poneto, Ind.,* Civil Soc.; HARBAUGH, EUGENE FREDERICK, *Cement City, Mich.,* Amer. Roadbuilders Assn., Student Council, Civil Eng. Soc., Rocket Soc.

Bachelor of Science In Civil Engineering

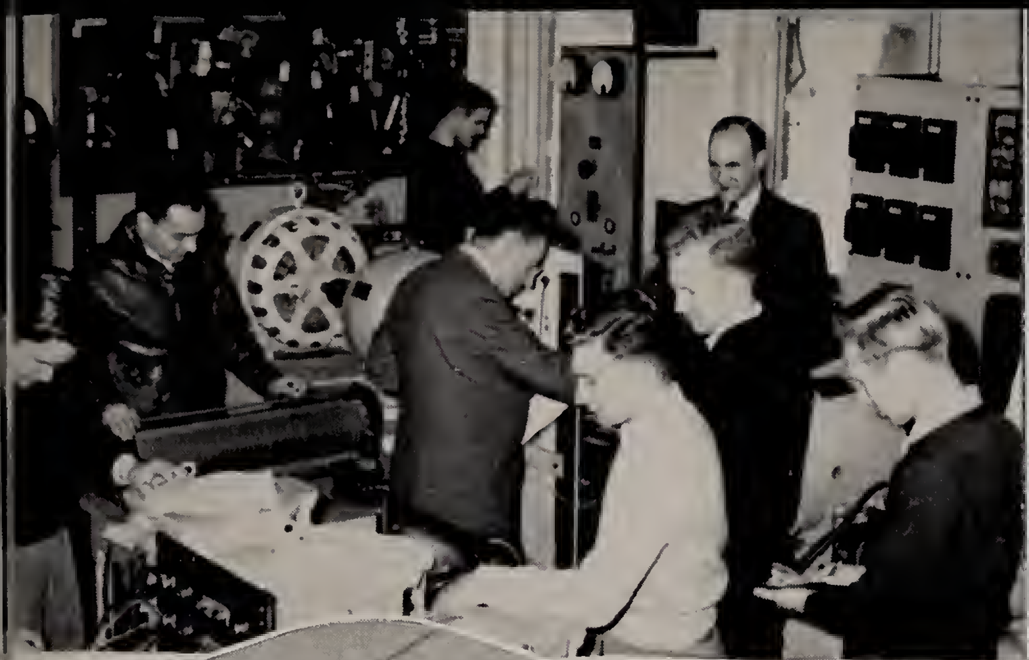
JEAN MILLER, *West Unity, Ohio,* Bachelor of Science in Radio Engineering; Radio Engineering Society; HUNT, ALBERT A.; YATES, ROBERT, *Osborn, Ohio,* Alpha Sigma Phi Frat.; WYNE, KENNETH O., *Angola, Ind.;* VERNON, WILLIAM EDWARD, JR., *Black Mountain, N. C.,* Beta Phi Theta, Civil Soc. Secty.; WAMBOLD, GLENN S., *Scottsburg, N. Y.,* Tau Sigma Eta.; WALLACE, CARL V., *Angola, Indiana,* Civil Society, Treas.; TODD, JEAN H., *Milton, Fla.,* Civil Soc., Student Council, Phi Sigma Chi.

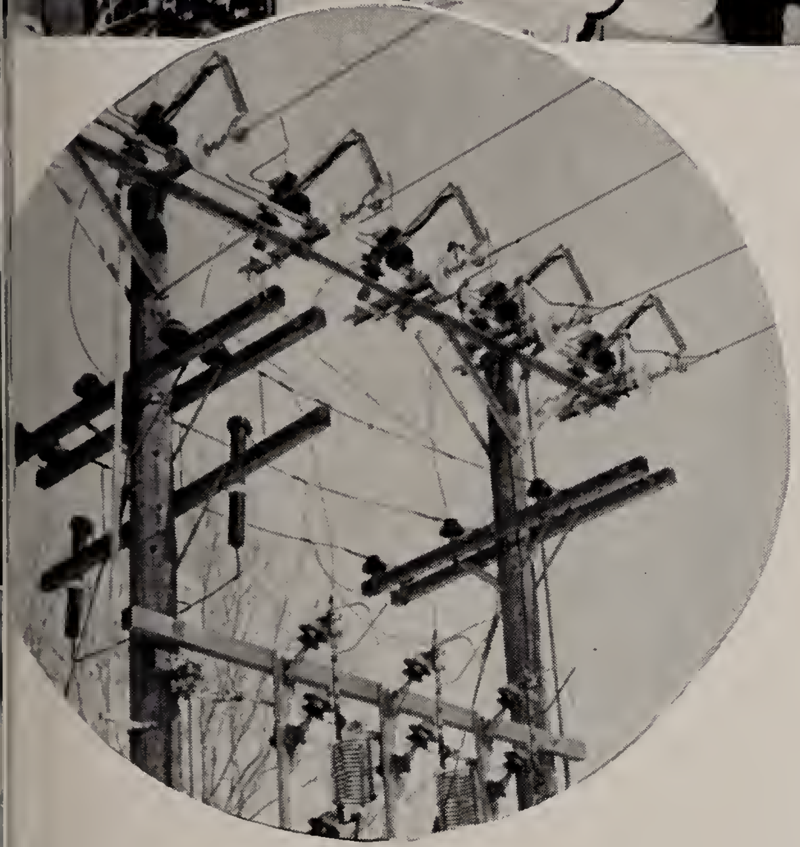
THURSTON, FRANK FARNUM JR., *Oil City, Pa.,* Sigma Mu Sigma, Civil Soc., Student Council, Inter-Frat. Council; SVENNES, OLA AASMUND, *Sask, Canada;* SPOTTS, MELVIN JOHN, *Chicago, Ill.,* Chem. Soc., Student Council, Inter-Frat. Council, Amer. Roadbuilders Assn., Phi Sigma Chi Frat.; SLOVAK, JOSEPH; ROUSE, ASHLEY T., *Scio, N. Y.,* Alpha Sigma Phi; ROUNTREE, PENWOOD, *Hugo, Oklahoma;* ROTRAMEL, M. L., *Benton, Ill.,* Civil Soc., American Roadbuilders Assn.; ROSTAN, JOSEPH JOHN, JR., *Kane, Pa.*

REYNOLDS, NELSON M., *Angola, Ind.;* PHARES, PAXTON EARL, *Benton Harbor, Mich.,* Civil Soc., Sigma Phi Delta; PATOTA, FRANCIS DENNIS, *Fall River, Mass.,* Sigma Phi Delta, Civil Soc., Dance Band Mgr.; OOGH, JOHN A., *Chicago, Ill.,* Civil Soc., Photo Club.; MORROW, JOHN ROBERT, *Huntington, Ind.,* Sigma Phi Delta, Civil Soc.; MAGOUN, EARL WILLIAM, *Arlington, Mass.;* LICURSE, ROBERT J., *Cedarhurst, L. I., N. Y.;* LEVERS, STANLEY MARTIN, *Wooster, Ohio.*

LAVEY, WM. TERRENCE, *Gowanda, N. Y.,* Civil Soc., Phi Kappa, Inter-Frat Council, Student Council; LANGOHR, FREDERICK O., *Columbia City, Ind.;* LAIRTUS, GEORGE PETER, *Santurce, Puerto Rico,* Civil Soc., Inter-Frat. Council, Student Council, Phi Iota Alpha; KLIMAK, ALEXANDER WALTER, *Waterbury, Conn.,* Civil Soc.; HIATT, THOMAS LEE, *Bluffton, Ind.;* HEASLETT, ROBERT JOHN, *Green River, Wis.*

TRI-STATE





Electrical Engineering Department

Electrical standards and codes are being raised to higher levels, and the call is for properly trained men who can work up to the highly responsible positions. The Electrical Engineering course, as given at Tri-State College, has been carefully designed and made up of essentials only, so that the student who desires to prepare himself for an engineering career may find the most desirable subjects in his course of study. The course is particularly strong in mathematics and mathematical analysis inasmuch as the science of electrical engineering has today advanced far along these lines.

How well the purpose of the course is fulfilled is proved by the many satisfied and successful graduates who have completed the course and are in the field today. At all times there are men enrolled in this course who have had from five to fifteen years of practical experience but have been unable to advance to what they considered satisfactory positions. These men are doing their work in a systematic way; they have a definite purpose in view, they already understand engineering, and are here because they wish to advance to higher attainments. The course is, however, perfectly suited to the beginner as well as the practical man, and to all students who expect to become engineers, a successful course.

Bachelor of Science In Electrical Engineering

ALLISON, K. D.

Black Mountain, North Carolina

Beta Phi Theta
Electrical Engineering Society
Student Council

ALDRICH, W. E.

Angola, Indiana

Electrical Engineering Society

AKENS, J. J.

Goshen, Indiana

Electrical Engineering Society

BETTS, C. A.

Angola, Indiana

Electrical Engineering Society

BENEVELLI, L. A.

New Milford, Conn.

BRUCKMAN, G. R.

Indianapolis, Ind.

Electrical Engineering Society

BUSH, O. A.

Hastings, Michigan

COOPER, R. E.

Litchfield, Michigan

CHEMNESS, J. L.

Alma, Michigan

COLLIER, P. J.

Russiaville, Indiana

Electrical Engineering Society
Sigma Mu Sigma

CHAREWICZ, F. J.

Worcester, Mass.

Electrical Engineering Society, Treas.
Mechanical Engineering Society
Student Council
Phi Kappa

DAMON, W. E.

Bloomdale, Ohio

Beta Phi Theta
Radio Engineering Society
Electrical Engineering Society

DUNCAN, W. F.

Indiana, Penn.

Electrical Engineering Society

ESPOSITO, A. M.

Bronx, New York

Electrical Engineering Society, Secy., and Vice-Pres.
Student Council

DENNIS, R. H.

Trenton, Michigan

Electrical Engineering Society

EMSLIE, R. G.

Angola, Indiana

FOTI, JOSEPH

Niagara Falls, N. Y.

Sigma Phi Delta
Electrical Engineering Society

FONG, S. G.

Student Council
Tri-Angle
Chinese Club
Modulus
Radio Society
Skull & Bones
C. O. A.

GERDEMANN, E. A.

Delphos, Ohio

Electrical Engineering Society

GRANGER, J. T.

Bradford, Penn.

Electrical Engineering Society

Bachelor of Science In Electrical Engineering

GUZMAN, PAUL
San Antonio, Texas
Electrical Engineering Society
Radio Engineering Society
Rocket Society, Technical Secy.
Student Council
Tri-Angle, Editor-in Chief 1948
Modulus, Associate-Editor 1947-48
Skull & Bones,
C. O. A.

HARMON, E. C.
Fort Worth, Texas
Electrical Engineering Society

HALLMAN, F. R.
Benton Harbor, Michigan
Tau Kappa Epsilon

HAINES, H. E.
Poneto, Indiana
Electrical Engineering Society
Student Council

HULL, O.

KELLEY, R. E.
Ashley, Indiana
Electrical Engineering Society

LABELLE,
Elkhart, Indiana
Mechanical Society
Electrical Society

LEE, SIDNEY
Sigma Mu Sigma
Tri-Angle
Modulus
Chinese Club

LIU, P. L.
Buffalo, New York
Chinese Club
Electrical Engineering Society
Student Council

LINDEMANN, J. F.
Delphos, Ohio
Tau Sigma Eta
Sigma Epsilon Society
Radio Engineering Society
Electrical Engineering Society
Who's Who Among Students in American Universities
Skull & Bones
C. O. A.

LENTZ, R. E.
Frederick, Maryland
Electrical Engineering Society
Sigma Mu Sigma
Student Council
Inter-Fraternity Council

LOYER, H. W.
Mingo Junction, Ohio
Electrical Engineering Society
Student Council
Tri-Angle

MARTIN, G. I.
Waterloo, Indiana
Electrical Engineering Society
Varsity Basketball and Baseball

MEITZ, CARL
Lansing, Mich.
Electrical Engineering Society

MACHUCA, L. M.
New York, N. Y.
Electrical Engineering Society
Tri-Angle

MAYBEE, W. M.
Colon, Michigan
Electrical Engineering Society

McCORMICK, W. J.
Carlisle, Indiana
Electrical Engineering Society
Band

MIKASINOVICH, NICK
St. Clairsville, Ohio
Sigma Phi Delta
Radio Engineering Society
Electrical Engineering Society
Student Council

MILLER, R. M.
Angola, Indiana
Electrical Engineering Society

OVER, D. P.
Barberton, Ohio
Tau Sigma Eta
Sigma Phi Delta
Electrical Engineering Society

Bachelor of Science In Electrical Engineering

NAUMAN, C. H.
Elizabethtown, Pa.
Electrical Engineering Society

PETE, G. H.
Kewaskum, Wisconsin
Electrical Engineering Society
Mechanical Engineering Society

PHILLIPS, G. H.
Kalamazoo, Michigan
Electrical Engineering Society
Phi Kappa

PIERCE, O. W.
Union City, Michigan
Electrical Engineering Society

ROSENBERGER, J. A.
Fort Wayne, Indiana
Electrical Engineering Society

ROBIN, R. D.
Angola, Indiana
Tau Sigma Eta
Theta Mu Pi
Electrical Engineering Society
Tri-Angle

SEMBROSKI, H. L.
Granby, Mass.
Electrical Engineering Society

STRYKER, H.

SMITH, C .E.
Buffalo, New York
Electrical Engineering Society
Alpha Sigma Phi

SMITH, O.
Franklin, Indiana
Electrical Engineering Society
Tau Sigma Eta

SMITH, L. C.
Angola, Indiana

SOUTHERN, V. R.
Childress, Texas
Electrical Engineering Society

SUNDE, A. M.
Angola, Indiana
Electrical Engineering Society

TRENTMAN, M. J.
Delphos, Ohio
Electrical Engineering Society
Sigma Epsilon Society

UECK, ALAN
Stevensville, Michigan
Electrical Engineering Society
Tri-Angle
Modulus

VERSEPUT, H. N.
Grandville, Michigan
Electrical Engineering Society

WATERSTONE, HYMAN
Charleston, N. C.
Electrical Engineering Society

WERNICKE, C. A.
Richmond, Va.
Electrical Engineering Society, Treas.

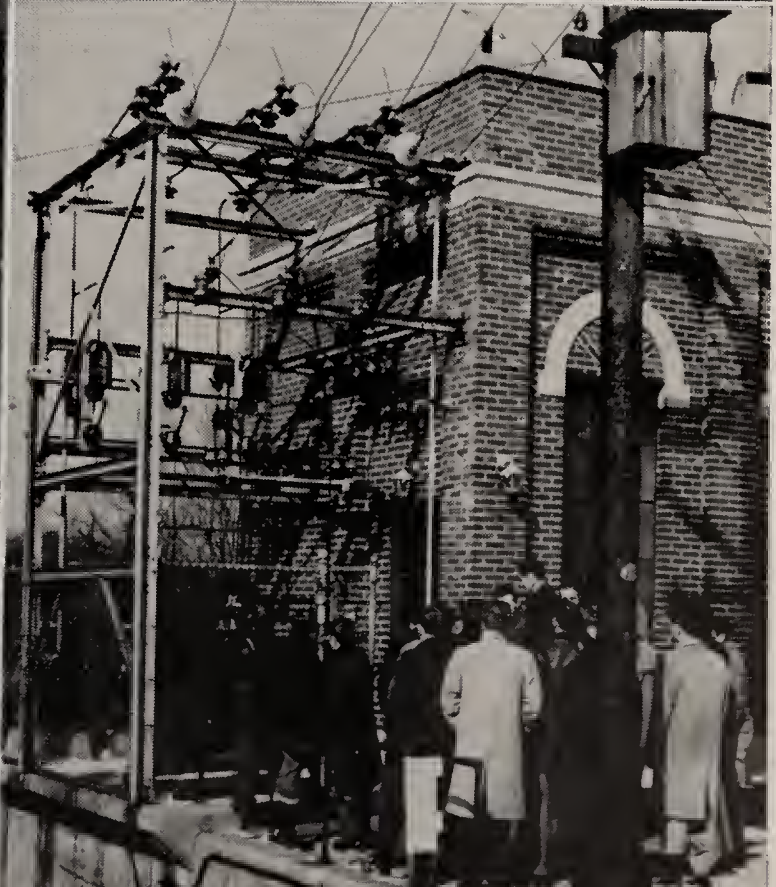
WAHRER, G. G.
Angola, Indiana
Electrical Engineering Society

WOLK, LEON
Rockville, Conn.
Electrical Engineering Society

WOOTEN, A. D.
Richmond, Va.
Electrical Engineering Society
Radio Engineering Society
Tau Sigma Eta
B. S. in Radio Eng.

WILKINSON, R. C.
Pleasant Lake, Indiana
Electrical Engineering Society

Electrical Sparks



Electrical Engineering Society

On January 9, 1947, a special meeting of the joint Radio Electrical Society was held, during which meeting it was decided to reactivate the Electrical Engineering Society which had been merged with the Radio Society in the fall of 1942. This move was prompted by the large attendance at the meetings which made procedure very unwieldy. In addition, it was felt that the best interests of both Radio and Electrical groups were not being realized.

The Electrical Engineering Society has been on its own since that time, and has made much progress toward desired ends. The primary objective of the Society is to acquaint members with actual practice in their chosen field. To attain this, the officers of the Society have decided on a three-fold plan: Speakers, moving pictures and demonstrations. The speakers are chosen from the leaders in the electrical industry, as are the moving pictures. Demonstrations may be put on by the speakers, or by some of the school's instructors. The officers feel that much valuable information may be obtained from this program.

The sponsor of the Society is Professor Spencer, who joins with the officers and all of the members in extending a cordial invitation to attend meetings. All interested persons are assured of interesting, well worth-while programs.

MIKASINOVICH, *Pres.*, ALLISON, *Treas.*, MILLER, *Secy.*, UECK, *Vice Pres.*

SPRING TERM OFFICERS

FALL TERM OFFICERS

ESPOSITO, *Vice Pres.*, PENZA, *Pres.*, WERNICK, *Treas.* MAYBEE, *Secy.*

Electrical Engineering Society

Front Row (left to right) Pete, Benevelli, Harmon, Bruckman, Cooper, Maybe, Penza, Prof. Spencer, Esposito, Myers, Ueck, Betts, Mikasinovick, Kolasinski, Chemness, Loyer.

Second Row; Collier, Rabe, Meadows, Charewick, Waterstone, La Belle, Vereput, Couzens, Granger, Wolk, Kirby, Smith, Haines, McCormick, Winsky, Witt, Kelly, Rosenberger, Guzman.

Third Row (Left to right) Sears, Duncan, Johnson, Nauman, Aldrich, Robin, Keleman, Jones, Dennis, Smith, Akens, Brown, Sims, Colmenar Trentman, Gerdemann, Schwartz, Smith, Davison, Smith, Schott, Wilkinson, Dobbs, Billbur.

The Mechanical Engineering Society

From left to right, first row—M. F. Rose, B. M. Wadowske (treasurer), W. H. Hiller (secretary), J. P. Denham (president), W. J. Gillet (vice president), F. C. Dewey, E. M. Cornelius.

Second row—Adams, Beason, Abrams, Chaney, Anzalone, Ingham, Lumm, Jergan.

Third row—Kennedy, Haynes, Reeves, Bumback, Mixer, H. M. Apple, Park, L. R. Cummings, Hawsman.

Fourth row — Kiester, Kunecki, Barrette.

From left to right, first row— R. A. Neivles, Malott, Wise, H. E. Jones, E. J. Kolasinske, C. Klein, K. K. Bowyen.

Second row—P. T. Nelson, F. J. Smith, D. C. Hay, F. L. Malmborg, Hoffman, W. C. Norton, A. Wolczyk, R. F. Sauer.

Third row—K. Parsons, H. Youngman, A. Gucciarde, J. Orlosky, D. E. Hall, W. R. Harris.

From left to right, first row—Covitt, J. Velasquer, Jonas, M. C. Clouse, Henley, L. R. Gorke, C. P. Slavich.

Second row—H. L. Draper, R. S. Elson, Volkman, Shideman, W. E. Outcalt, R. G. Alquist, C. G. Stahl, F. Charewicz.

Third row—C. J. Simmons, R. G. Metke, R. A. Fesser, G. V. Nichols, N. T. Carlson, Denney, R. L. Arocho.

Fourth row—Dovano, Leach, M. E. Moore, Darnell, W. G. Whitfield, R. C. McGuire, R. S. Seidel.

One of the most active societies on the campus is the Mechanical Engineering Society. A recent development has been the establishment of the American Society of Tool Engineers (Angola Committee). This is a national professional society, which deals directly with the manufacturing and tooling interests of a number of members.

The Mechanical Engineering Society is composed of Mechanical Engineering students and, according to the constitution, "any Tri-State student interested in membership." In these days of employer emphasis on extracurricular activity, this record proves invaluable.

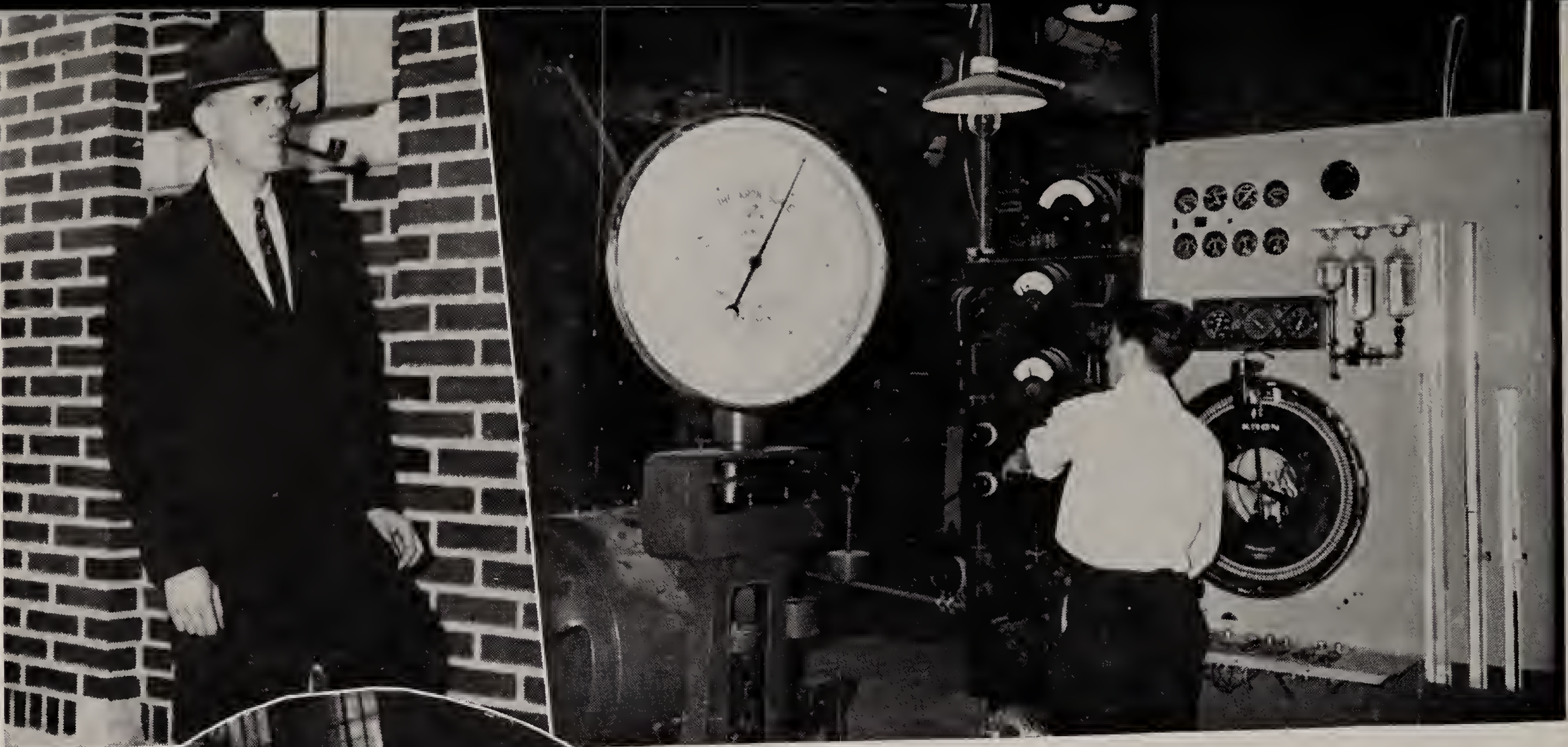
Meetings are held every Wednesday evening in the Auditorium. The third Wednesday of each month is turned over to the A.S.T.E.

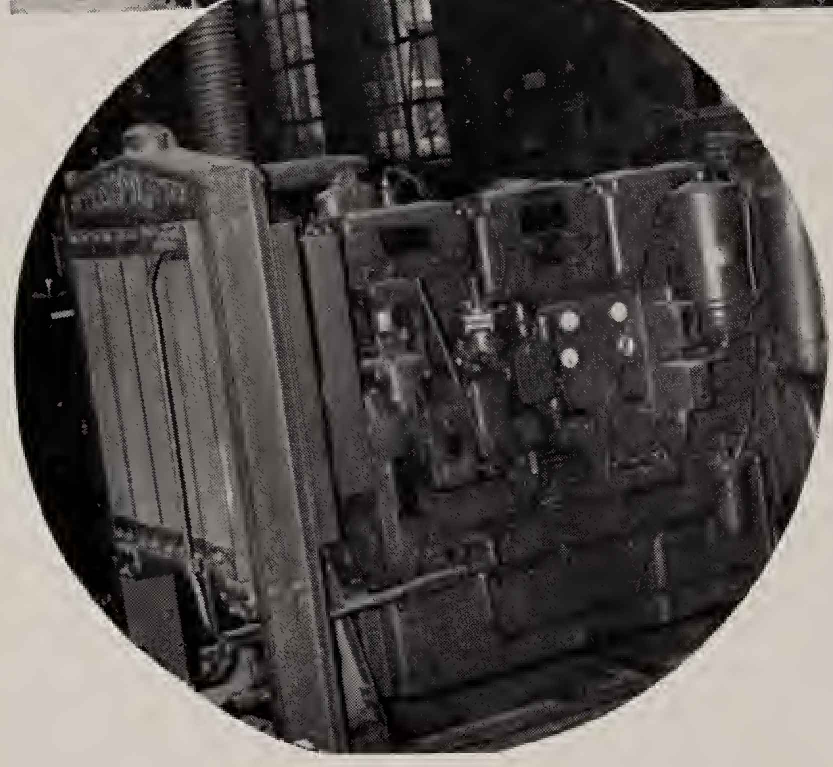
The Society's aims are to present information which will aid members in the selection of an interesting branch of Mechanical Engineering for their own field of endeavor and to familiarize them with the machines and tools of that field. Special emphasis is placed upon technical movies which are produced by all branches of industry, keeping the members informed and broadening their scope. It is constantly demonstrated that no industry can exist without Mechanical Engineers to keep it operative and progressing.

Each Quarter finds groups making plant inspections with at least one major trip during the year. Numerous employment offers have been made to members during these trips and many, upon graduation, have taken positions with these companies.

The contacts made will promote cooperation and good fellowship among members and a better understanding of the problems of one another. The talks will distribute the knowledge of a few to the minds of many, while the movies will remove the blinds from the windows of progress. Outstanding graduates in Mechanical Engineering will have profited from their membership in the Mechanical Engineering Society.

Whitfield, Hay, Abrams, Gillet





Mechanical Engineering Department

The course in Mechanical Engineering is intended to give the student a thorough training in fundamental principles. The course is arranged and graded so as to enable the student to become thoroughly conversant with the principles of contemporary engineering practice, and by persistant association of abstract analysis with practical problems to prepare him for a successful professional career.

The field of mechanical engineering is essentially basic, borrowing as it does, fundamentals from all other fields of engineering, and permeating all of our present day industrial world. It would be difficult to name any field of industry in which mechanical engineering problems are not met. These problems have their origin in the design, the manufacture, the choice, and the operation of the mechanical equipment. This equipment may be used in manufacturing anything from a needle to an ocean liner, or it may be used in transportation by land or sea or air. It may be used in power production, in heating, and air conditioning, in refrigeration, in agriculture, in steel making or in any one of innumerable other fields of industry. The mechanical engineer may find his work in problems involving the economic choice of equipment. With such detailed knowledge of equipment and its functions, the mechanical engineer is well fitted for the profession of sales engineering. Works management is another field in which the mechanical engineer often specializes. Indeed, the basic nature of a good mechanical engineering course can be said to form the ground work for many types of work in almost any industry.

Bachelor of Science In Mechanical Engineering

ABRAMS, R. N., *Shillington, Penn.;* ABEL, W. E., *Elkhart, Indiana,* Sigma Mu Sigma, Student Council, Inter-Fraternity Council, Skull and Bones, COA; ALDRICH, M. E., *Angola, Indiana;* ANZALONE, L. G., *Freedonia, New York,* Alpha Sigma Phi, Mechanical Engineering Society, Student Council; ALQUIST, R. G., *Turloch, Calif.;* AUSTIN, W. C., *West Frankfort, Illinois,* Aeronautical Engineering Society, Rocket Society; ANDERSON, C.

ADAMS, R. W., *Dayton, Ohio;* ALBANDOZ, R. J., *Canovanas, Puerto Rico,* Phi Iota Alpha, Inter-Fraternity Council, Treasurer and Vice Pres.; BUFFONE, V. D., *Waterloo, New York,* Phi Kappa, President, Mechanical Engineering Society; BATES, J. R., *Oakwood, Ohio,* Mechanical Engineering Society; BURNS, W. L., *Dayton, Ohio;* BURDELL, C. L., *Angola, Indiana;* BREIT, J. F., *Mishawaka, Indiana,* Mechanical Engineering Society.

BRONS, J. L., *Western Springs, Illinois;* BROWN, V. E., *Hillsdale, Michigan,* American Society of Tool Engineers, Tau Kappa Epsilon; BOYER, RICHARD G., *Elkhart, Indiana,* Sigma Mu Sigma; BLY, L. E., *West Unity, Ohio,* American Society of Tool Engineers; BOWYEN, K. K., *Pretoria, South Africa,* American Society of Tool Engineers, Mechanical Engineering Society, Chinese Club; BEASON, R. C., *Dayton, Ohio,* American Society of Tool Engineers, Mechanical Engineering Society; BUMBACH, W P., *Angola, Indiana,* Mechanical Engineering Society.

BROWN, B. J., *Sturgis, Michigan,* Tau Sigma Eta, Mechanical Engineering Society; BARTON, C. A., *Ogdensburg, New York,* Sigma Phi Delta, Student Council; BANDZUH, BERNARD G., *Portage, Penn.,* Phi Sigma Chi, Aeronautical Engineering Society, Mechanical Engineering Society, Student Council, Inter-Fraternity Council; BOETTCHER, H. H., *Benton Harbor, Michigan,* Sigma Phi Delta; BARBER, C. W., *Ithaca, New York;* BARRETTE, F. O., *Saylesville, Rhode Island,* Mechanical Engineering Society; CHERITT, J. S., *Farrell, Penn.,* Mechanical Engineering Society, Sigma Phi Delta.

Bachelor of Science In Mechanical Engineering

GRIFFITH, H. J., *Hellertown, Penn.*, Mechanical Engineering Society; GORRELL, R. JR., *Pioneer, Ohio,* Mechanical Engineering Society, American Society of Tool Engineers; FERNANDEZ, A., *Cienfuegos, Cuba,* Phi Iota Alpha; FAUST, R., *St. Louis, Michigan,* Mechanical Engineering Society; FOX, J. F., *Oil City, Penn.;* ELLISON, LLOYD P., *Middletown, Ohio,* Tau Kappa Epsilon, Student Council, Mechanical Engineering Society; ELLINGER, D. C., *Coldwater, Michigan.*

ELSON, R. S., *Benton Harbor, Michigan;* DAVIS, W. E., *Reading, Michigan;* DeLUCA, W. V., *Overbrook Hills, Penn.,* American Society of Tool Engineers, Mechanical Engineering Society, Photo Society, Theta Mu Pi; DRAPER, H. L., *Oklahoma City, Oklahoma,* Mechanical Engineering Society; DARNELL, F. P., *Angola, Indiana,* Mechanical Engineering Society, Tau Sigma Eta; DOVANO, C., *Waterbury, Conn.,* American Society of Tool Engineers, Mechanical Engineering Society; DORNBAS, G., *Badax, Michigan.*

DORGAN, W. T., *Kalamazoo, Michigan,* Phi Kappa; DENNEY, R. E., *Reading, Michigan,* Mechanical Engineering Society; DENHAM, J. D., *Aberdeen, Maryland,* Mechanical Engineering Society, American Society of Tool Engineers; DEANER, R. M. T., *Lynchburg, Virginia;* DeVRIES, W. F., *Coldwater, Michgan;* CONEDERA, J.; CORNELIUS, E. M. Jr., *New Castle Penn.,* Mechanical Engineering Society, Student Council, Secretary, Modulus, Tri-Angle.

CROTHERS, D. T., *Angola, Indiana;* CROSS, D. J., *Warsaw, New York,* Phi Kappa; CHANEY, H., *Hartford City, Indiana,* Inter-Fraterity Council, Alpha Sigma Phi, Vice Pres., Mechanical Engineering Society; CONDEN, R. A., *Battle Creek, Michigan;* CROAKE, W. D., *Middletown, Ohio;* CUMMINGS, L. R., *Fargo, North Dakota,* American Society of Tool Engineers, Tau Sigma Eta, Treasurer, Mechanical Engineering Society; COVITT, J., *New York, New York,* Mechanical Engineering Society, American Society of Tool Engineers.

KAUFFMAN, E. L., *Lisbon, Ohio,* Phi Sigma Chi, American Society of Tool Engineers, Mechanical Engineering Society; KULIG, J. L., *Jamestown, New York,* Mechanical Engineering Society; KUNECKI, H. P., *St. Joseph, Michigan,* Sigma Phi Delta, Mechanical Engineering Society; KERCH, R. C., *Angola, Indiana,* Mechanical Engineering Society; JENNINGS, H. K., *Linton, Indiana;* JONAS, R., *New York City, New York,* Mechanical Engineering Society, Photo Club, Tau Sigma Eta, Theta Mu Pi; JOHNSON, N. R., *Rochester, New York,* Sigma Mu Sigma, Mechanical Engineering Society.

JAMES, P. L., *Charlestown, Indiana,* Mechanical Engineering Society; JOHNSON, D. K., *Angola, Indiana;* JONES, J. Jr., *Gillespie, Illinois;* JONES, W. B., *Gillespie, Illinois;* INGHAM, Jr., W. J. B., *Bermuda,* Modulus, Tri-Angle, Student Council, Mechanical Eng. Society, Reporter, Am. Society of Tool Engineers, Skull & Bones; HAYNES, F. E., *Indianapolis, Indiana,* Phi Sigma Chi, Inter-Fraternity Council, American Society of Tool Engineers, Mechanical Engineering Society.

HANNON, G. H., *Green Bay, Wis.;* HOFFMAN, P. E., *Mansfield, Ohio,* Mechanical Engineering Society; HUNTER, J. D., *Plymouth, Ohio,* Mechanical Engineering Society, American Society of Tool Engineers, HARRIS, W. R., *Osceola, Indiana,* Mechanical Engineering Society, Alpha Sigma Phi; HAY, D. C., *South Bend, Indiana,* Alpha Sigma Phi, Mechanical Engineering Society; HILLER, W. H., *Erie, Penn.;* HALL, DAVID E., *Kenmore, New York,* Mechanical Engineering Society, American Society of Tool Engineers; HOLTZ, J. W., *Fredonia, New York.*

HANDLEY, R. H., *Battle Creek, Michigan,* Beta Phi Theta; GULAS, W. A., *Angola, Indiana,* Mechanical Engineering Society, American Society of Tool Engineers; GORKA, L. R., *Maplewood, New Jersey,* Beta Phi Theta, Mechanical Engineering Society, American Society of Tool Engineers; GILLET, W. J. *Cleveland, Ohio,* Mechanical Engineering Society, Vice Pres., Am. Society of Tool Engineers, 1st Vice Chairman, Tau Sigma Eta, Skull & Bones; GUCKELBERG, E., *Indianapolis, Indiana,* Phi Sigma Chi; GETTINO, N. A., *Solvay, New York,* Phi Kappa, Student Council, President, Modulus Staff, Tri-Angle, Mechanical Engineering Society, Varsity Basketball and Baseball teams, Skull & Bones, COA; GORNALL, R. K., *Erie, Penn.,* American Society of Tool Engineers, Mechanical Engineering Society.

Bachelor of Science In Mechanical Engineering

NICHOLS, G., *St. Joseph, Michigan,* A.S.T.E., Mech. Society; McKIBBIN, R., *Columbia City, Indiana,* Beta Phi Theta, Mech. Eng. Soc.; MENZ, E., *Honeoye Falls, N. Y.,* Mech. Eng. Soc., A.S.T.E.; MOULD, R., *Kenmoore, N. Y.;* MITCHELL, H. D., *Sturgis, Michigan;* MARTONE, P. A., *Glen Cove, N. Y.;* MAJESKE, W., *Baltimore, Md.*

MALBORG, F. L., *Flushing, N. Y.,* Alpha Sigma Phi, Student Council, Inter-Fraternity Council, Mech. Eng. Soc.; METKE, R. G., *Chicago, Illinois,* Sigma Mu Sigma, Mech. Society; MILLER, TOM, *Angola, Ind.,* Mech. Eng. Soc., Skull & Bones, COA, Tri-Angle; MORR, E. F., *Fremont, Ind.;* MARALLO, J. J., *Tuckahoe, N. Y.,* Tri-Angle, Mech. Soc.; McGUIRE, R. C., *Oshkosh, Wis.,* Alpha Sigma Phi, A.S.T.E., Mech. Soc.; MICHALKO, I., *Ossining, N. Y.,* Mech. Eng. Soc.

MEISNER, J., *Pleasantville, N. Y.,* Phi Kappa, Student Council, Inter-Fraternity Council, Baseball; MOFFATT, L. G., *Oklahoma City, Oklahoma;* MANAGO, J., *Columbia City, Ind.,* Mech. Soc.; MALOTT, R.; LEVY, ISAAC, *Haifa, Palestine,* Theta Mu Phi, Mech. Soc., Aero Society, Tau Sigma Eta; LUNDY, R., *Olean, N. Y.,* Phi Kappa; LOMBARDY, J. D., *Painesville, Ohio.*

LAIRD, D. W., *Angola, Ind.,* Band; LeSAGE, H., *Detroit, Mich.;* LUMM, R. P., *Toledo, Ohio,* Mech. Soc.; LOFY, R. F., *Wauwatosa, Wis.,* Tau Kappa Epsilon, Chemical Eng. Soc., Mech. Eng.; LUXFORD, H. J., *Grand Rapids Mich.,* Phi Sigma Chi; KNIGHT, C. R., *Logansport, Ind.;* KOON, E. L., *Ceresco, Mich,* Mech. Eng. Soc.

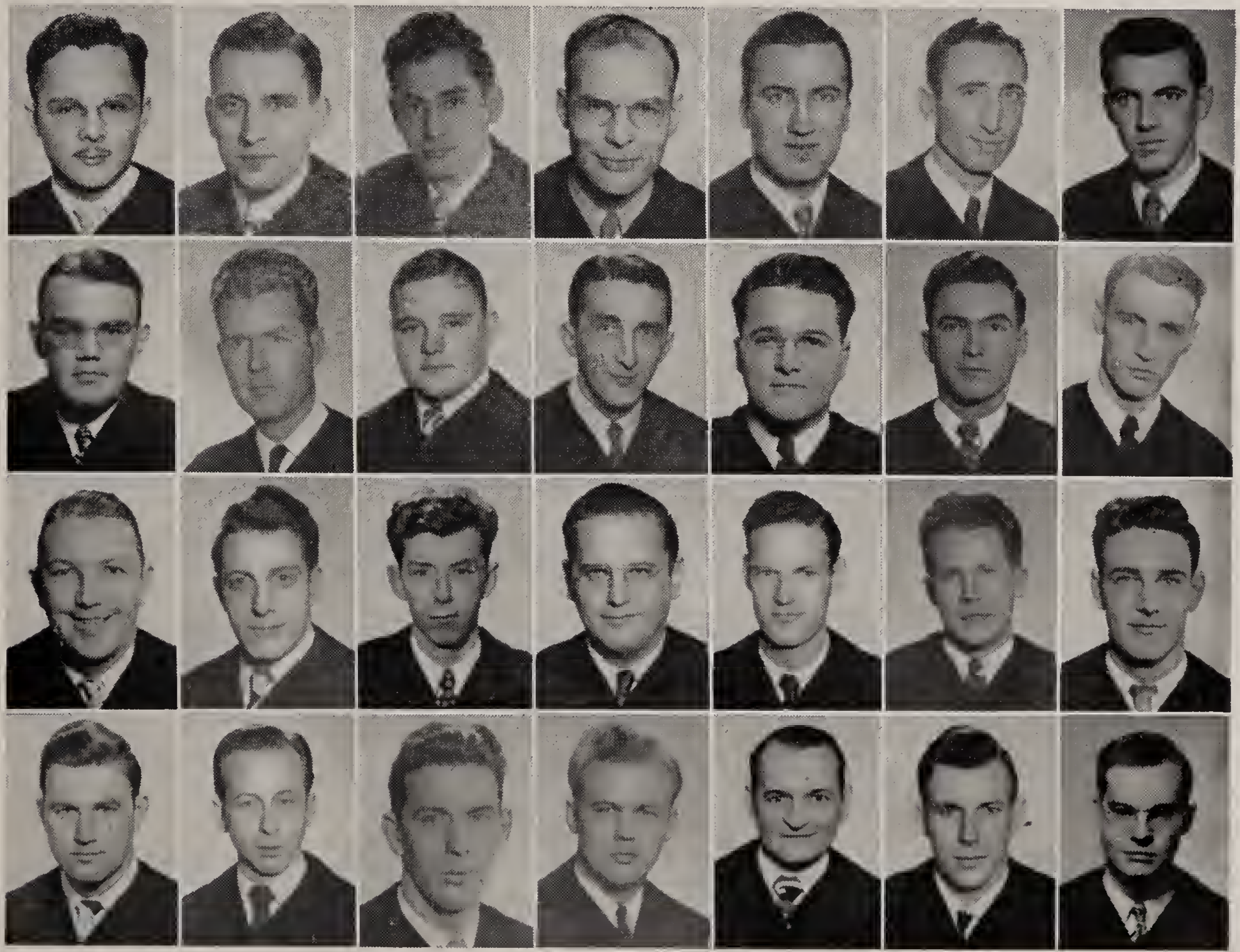
Bachelor of Science In Mechanical Engineering

SCHMIDT, L. F., *Webberville, Michigan,* College Band; SMURR, F. W., *Angola, Indiana;* SAUER, R. F., *Angola, Indiana,* Tau Kappa Epsilon, Mechanical Eng. Society, A.S.T.E.; SWIFT, C., *Dunkirk, N. Y.;* SMITH, N. J., *Philadelphia, Pa.;* STENZEL, D. L., *E. St. Louis, Illinois,* Photographic Society, Modulus Photographer; SMITH, F. J., *Philadelphia, Penna.*

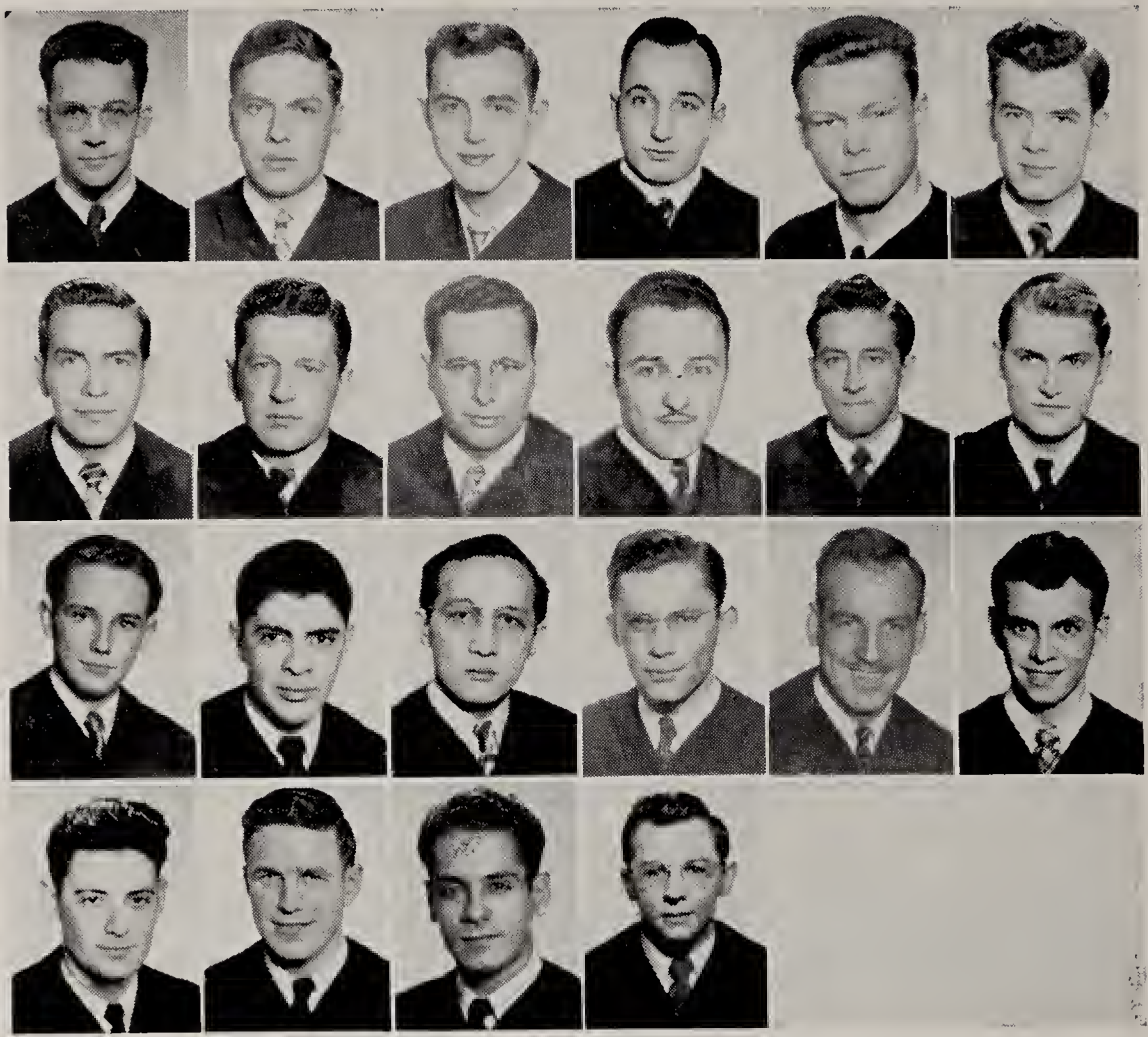
STAHL, C. G., *Dowagiac, Michigan,* Student Council, A.S.T.E., Mech. Eng. Society; SIMMONS, C. J., *Detroit, Michigan,* Honorary Engineering Society, Mechanical Eng. Society; REEL, J. C., *Indianapolis, Indiana;* ROBINSON, C. H., *Elkhart, Indiana,* Mechanical Eng. Society; RISTO, W. L., *Benton Harbor, Michigan;* REGAN, J., Phi Kappa, Student Council, Inter-Fraternity; ROSS, R. W., *Wabash, Indiana.*

REEVES, J. O., *Angola, Indiana,* Mechanical Eng. Society, A.S.T.E.; RABBITT, R. R., *Battle Creek, Michigan,* Mechanical Eng. Society, A.S.T.E.; PLETCHER, C. M., *Nappanee, Indiana,* Mechanical Eng. Society; POE, A. P., *Akron, Ohio;* PARHAM, P. R., *Sturgis, Michigan;* PLANT, *Angola, Indiana,* Mechanical Eng. Society; PORTER, J. A., *Owasso, Michigan.*

PUGH, J. W., *Marion, Indiana;* PAYNE, G. T., *Angola, Indiana,* A.S.T.E.; ORLOSKY, J. D., *Brockway, Penna.,* Mechanical Eng. Society; NELSON, P. T., *Minneapolis, Minnesota,* Sigma Mu Sigma Fraternity, Mechanical Eng. Society, Rocket Eng. Society, A.S.T.E.; NIEDERST, E. B., *E. Cleveland, Ohio,* Modulus, (Editor-In-Chief 1947), Tri-Angle (Editor-In-Chief 1946-1947), Student Council (Pres. Winter-Spring 1947), Mechanical Eng. Society (Pres.), Senior Class Officer—1947 Secretary, Who's Who 1947-1948, Phi Sigma Chi, Pres., A.S.T.E., Sec., Skull and Bones, COA; NELSON, P. C., *St. Cloud, Minn.,* Mechanical Eng. Society; NORTON, W. C., *Jackson, Michigan,* Mechanical Eng. Society.



Bachelor of Science In Mechanical Engineering



YOUNGMAN, H. W., *Manitowoc, Wisconsin,* Mechanical Engineering Society; WHITE, H. L., *Norwalk, Ohio,* Sigma Phi Delta; WIESE, F. D., *Winnebago, Wisconsin;* WATSON, J. W., *Towanda, Penn.;* WOODWORTH, S. L., *Angola, Indiana,* Phi Sigma Chi; WHITFIELD, W. G., *Pittsburgh, Penn.,* Alpha Sigma Phi, Mech. Eng. Soc., A.S.T.E.

WISE, H E., *West Palm Beach, Florida,* Phi Sigma Chi, A.S.T.E., Mech. Eng. Soc.; WOLCZYK, A. F., *Auburn, New York,* Mechanical Engineering Society; WADOWSKI, B. M., *Niagara Falls, New York,* Mechanical Engineering Society, Secretary and Treasurer, American Society of Tool Engineers, Who's Who Among Students in American Colleges and Universities 47-48; WALTER, R. F., *Brooklyn, New York,* Phi Kappa, Mechanical Engineering Society; VOLKMANN, W. A., *Houston, Texas,* Mechanical Engineering Society, Treasurer; ULLMER, F., *Michigan City, Indiana.*

THOMPSON, D. L., *Pittsfield, Mass.,* Band, Mechanical Engineering Society; TRELLA, R. D., *Algonac, Michigan,* Tau Kappa Epsilon, Student Council, Inter-Fraternity Council; TANG, F. J., *Caracas, Venezuela, S. A.,* Phi Iota Alpha, Mechanical Engineering Society, American Society of Tool Engineers; SLAVICH, CHARLES P., *Berwick, Penna.,* Mechanical Engineering Soc., American Soc. of Tool Eng.; SWIGART, J.; SMITH, R. E., *Kendallville, Indiana.*

SAMFORD, H. H., *Chrisman, Illinois,* Mechanical Engineering Society, Beta Phi Theta, Student Council; SCHREIBER, A. R., *Hammond, Indiana;* SILVA, E. G., *Guantanamo, Cuba,* Phi Iota Alpha, Vice Pres., Inter-Fraternity, Student Council; SMITH, M., *Michigan City, Indiana,* Mechanical Engineering Society.

Mechanical Activities

The Radio Engineering Society

While the aims of the society include the advancement of the theory and practice of radio, and allied branches of engineering and of the related arts and sciences, it also aspires in its members to participate in the various projects sponsored by the society. Among the means to this end are the holding of weekly meetings, the reading of professional papers, and such other matters as may be appropriate for the fullfillment of its objectives. The Radio Engineering Society serves those interested in radio and allied electronic and electrical communication fields through the presentation at its weekly meetings engineering representatives, leaders in the various commercial, industrial, and academic organizations, who include the demonstration of equipment and good engineering practice as part of their discussions. As a result of this cooperation the members are kept better informed as to the capabilities desired of the undergraduate student. Membership in the society requires only an interest in theory and practice of radio engineering or of the allied arts and sciences.

The officers for the fall term of 1947 were: President Edward A. Chimielewski; Vice-President Fred S. Johnston, Jr.; Secretary S. W. McIntyre; Treasurer S. G. Fong.

The officers for the Winter term of 1948 were: President Fred S. Johnston, Jr.; Vice-President A. Ahbrahmsen; Secretary W. Anderson; Treasurer R. B. McLaughlin.

The officers for the spring term of 1948 were: President Robert B. McLaughlin; Vice-President Norton S. Most; Treasurer George Riley.

Riley, Anderson, Most, McLaughlin, Oleson.

GROUP I

Row 1—Most, N., Staheli, G., Daprato, C., Thompson, R., Nease, L., Frazier, S., Goldman, A., McIntire, O.

Row 2—VerBerkmoes, P., Chimielewski, E., Mart, J.. Gillis, E., Schwartz, M., Stilson, H., Yeager, S., Willcox, P.

Row 3—Christman, C.. Moreno, M., Rappold, E., Mahaffey, R., Lindemann, J., Mann, C., Quick, J., Trentman, M.

Row 4—Zemke, J., Chuma, N., Ridenour, H., Timm, K., Russell, N., Baden, H., Andolsek, W., Stefanowicz, M.

GROUP II

Row 1—Ghiselin, McLaughlin, Johnston, F., Abrahamsen, A., Shriver, T., Puca, Q., Fong, S.

Row 2—Welch, A., Mott, Kays, J., Hanes, C., Williams, R., Walker, K., Swigart, J., Purdy, C.

Row 3—Dornbos, Ortiz, R., Heckart, H., Page, R., Stevens, J., Kent, J., Houghton, G.

Row 4—Parlett, McLean, Theurer, D., Bickel, S., Shappee, Miller, C., Justus, J.

GROUP III

Row 1—Giordano, Riley, McElhoes, Anderson, W., Lerch, D.

Row 2—Stimson, Kieffer, Stahovec, Oleson, Rogers, Vollink.

Row 3—Hertzog, Buttler, Johnson, W., Croneberger, Dedent, L., Boat, R.

Row 4—Marrah, Rabe, Smeltzer, Johnson, V., Wells, R., Stinson, C.

Radio Engineering Department

The technical course of Radio Engineering is designed to give the student a broad foundation in those fundamental subjects which form the basis for professional engineering practice, and especially to equip the young engineer with a knowledge of the various phases of radio engineering. He must have a thorough appreciation of physical theory, a clear understanding of chemical principles, and a broad working knowledge of mathematics.

The laws by which radio circuits and vacuum tubes behave can be readily understood by the student. It is possible to predict with certainly the performance of any radio circuit or piece of radio apparatus with the same ease that other types of electrical equipment are analyzed. It is this ability to reduce a problem to quantitative relations that predict with accuracy the performance to be expected or explain the results already obtained that represent a real mastery of the subject, such as the radio engineer is expected to possess.

The department aims to produce trained engineers, whose knowledge of fundamentals, technical theory, and engineering judgement qualify the young graduate to develop in the radio engineering field and ultimately hold positions of responsibility.

The Radio Engineering course, as offered at Tri-State College, is methodically arranged of essential subjects only. The curriculum embraces instruction by text-book, lecture, laboratory, drafting, and designing practice.

Bachelor of Science In Radio Engineering

ASHWILL, D. R.
Lakeland, Florida

FARNER, E. C.
Shippensburg, Pa.
Alpha Sigma Phi
Radio Engineering Society
Student Council

DIDENT, L.
Waynesburg, Ohio
Radio Eng. Society

ABRAHAMSEN, A.
Brooklyn, N. Y.
Radio Eng. Society, vice-president

DALLAS, D.
Philadelphia, Penna.

DAMON, I. R.
Bloomdale, Ohio
Beta Phi Theta
Radio Eng. Society

BUCHANAN, H.
San Antonio, Texas
Radio Eng. Society

CHRISTMAN, C. J.
Camden, Mich.
Radio Eng. Society

CHIMIELEWSKI E. A.
Scranton, Pa.
Radio Eng. Society, President & Vice-President
Student Council
Tri-Angle

BREIDENBACK, R. T.
Johnstown, Pa.

CHISMAN, M. W.
Angola, Indiana

COVELL, W. G.
Angola, Indiana

BUTTLER, J. L.
Corpus Christi, Tex.

BRUNS, R. W.
Angola, Indiana
Radio Eng. Society

BROWN, G.

CHUMA, N.
Slickville, Pa.
Radio Eng. Society

BORMAN, S. H.
Toledo, Ohio

BOAT, R. M.
Xenia, Ohio
Radio Eng. Society

CAPRARA, L.
Angola, Indiana

BERG, C. A.
Dunnell, Minn.

BADEN, H. H.
Defiance, Ohio
Radio Eng. Society

DANKERT, E. W.
Toledo, Ohio
Radio Eng. Society
Tau Sigma Eta

ANDERSON, W. J.
Kent, Ohio
Radio Eng. Society, Secretary
Tri-Angle

ANDRESEN, W. C.
Clinton, Iowa

FERRIS, D. L.
Ashley, Indiana
Radio Eng. Society

Bachelor of Science In Radio Engineering

SHAPPEE, C. E. *Ludington, Mich.* Radio Eng. Society	GREEN, C. R. *Angola, Indiana* Radio Eng. Society	FRAZIER, S. L. *Bristol, Tenn.* Radio Eng. Society
KENDALL, C. E. *Ashland, Ohio*	HANES, C. E. *Weston, Illinois*	GIORDANO, F. L. *Jackson, Mich.* Radio Eng. Society Student Council
JUSTUS, JOHN *Illinois*	HECKART, H. A. *Unionville, Iowa* Radio Eng. Society Tau Sigma Eta	HEANEY, R. D. *New York, N. Y.* Radio Eng. Society Phi Sigma Chi
JOHNSTON, F. S. Jr. *Memphis, Tenn.* Alpha Sigma Phi Radio Eng. Society Rocket Society Tri-Angle Student Council	HIDALGO, E. *Guayas, Ecuador, South America*	HENDERSON, V. M. *Thornton, Texas* Radio Eng. Society
HOUGHTON, G. H. *Vicksburg, Mich.* Radio Eng. Society	HOYT, W. *Colchester, Illinois*	LATKO, M. *Michigan*
HERTZOG, W. K. *Waterloo, Indiana* Tau Sigma Eta Radio Eng. Society	JOHNSON, V. N. *Essex, Iowa* Radio Eng. Society	JOHNSON, W. C. *Essex, Iowa* Radio Eng. Society
HAWLEY, W. *Lima, Ohio*	KELLEY, W. L. *Osseo, Mich.* Alpha Sigma Phi Radio Eng. Society	KAYS, J. *Blackburn, Mo.*
GOLDMAN, A. *Atlantic City, N. J.* Fencing Team Tri-Angle Radio Eng. Society	SHARP, J. C. *Wayne, Mich.* Alpha Sigma Chi Radio Eng. Society	KLIZAS, P. A. *St. Clair, Pa.* Radio Eng. Society

Bachelor of Science In Radio Engineering

STINSON, C. F.
Milton, Mass.
Radio Eng. Society
Tau Sigma Eta

TEWARI, P.
India

LOFF, G. W.
Angola, Indiana
Radio Eng. Society

STAHELI, G. D.
Payson, Utah
Radio Eng. Society
Tri-Angle
Alpha Sigma Phi

LUKAS, J. M.
Johnson City, N. Y.
Radio Eng. Society

LEE, S. E.
Tri-Angle
Sigma Mu Sigma
Tau Sigma Eta
Radio Eng. Society
Student Council

STEFANOWICZ, M. R.
Meriden, Conn.
Radio Eng. Society

KOSMACZEWSKI, I.
Bayonne, N. J.
Phi Sigma Chi
Radio Eng. Society

ROGERS, M. R.
Clyde, Ohio

RABE, F.
Angola, Indiana

RESLOCK, A. M.
Omaha, Nebraska
Radio Eng. Society

RILEY, G. R.
Buchanan, Mich.
Radio Eng. Society
President

RICHARDSON, C. C.
Lansing, Mich.

SOLOMON, P. S.
Long Branch, N. J.
Phi Sigma Chi
Inter - Fraternity Council
Radio Eng. Society

SMELTZER, V. J.
Angola, Indiana
Radio Eng. Society
Photo Club

RUSSELL, N. E.
West Frankfort, Ill.
Radio Eng. Society

SPALDING, C. M.
Woodlake, Calif.
Beta Phi Theta

SPALDING, R. L.
Youngstown, Ohio

LUCAS, F. P.
Detroit, Mich.

STEVENS, J. W.
Muskegon, Mich.
Radio Eng. Society

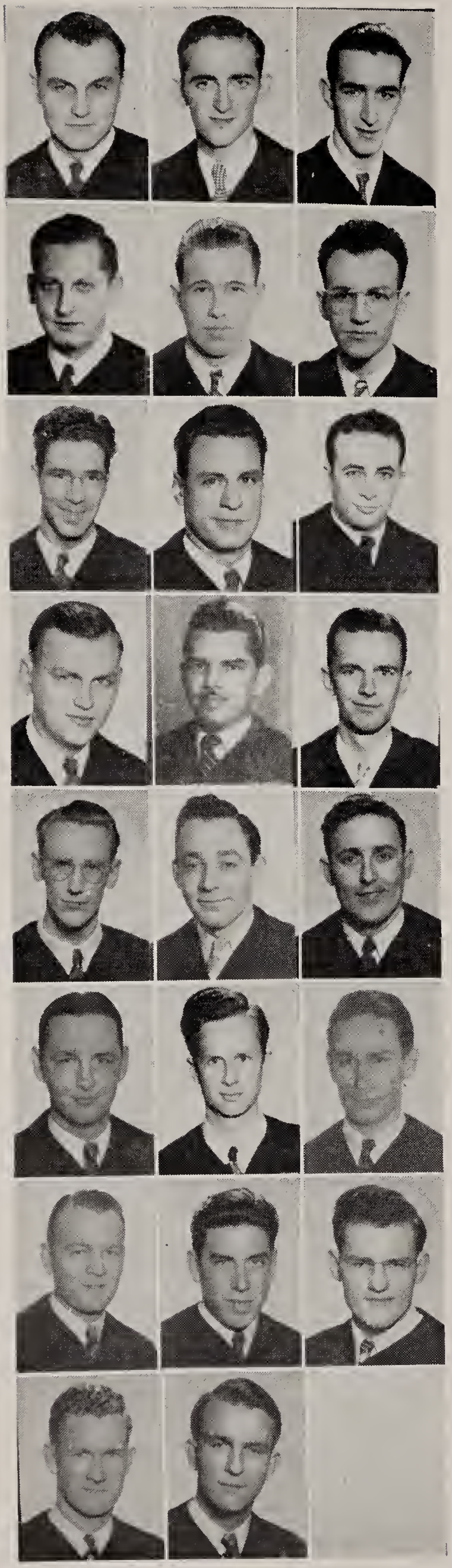
STAHOVEC, J. L.
Sharon, Conn.

TRESSLER, J. B.
Hudson, Indiana
Tau Sigma Eta

STILSON, H. H. Jr.
St. Clair Shores, Michigan

SHRIVER, T. F.
Madison, Wisconsin

Bachelor of Science In Radio Engineering



THEURER, D. L.
Portland, Indiana
Radio Eng. Society
Tau Sigma Eta

THOMPSON, A. L.
Angola, Indiana
Radio Eng. Society

THOMAS, A. R.
Washington, D. C.
Radio Eng. Society
Alpha Sigma Phi

THOMAS, A. G.
Reading, Pa.
Alpha Sigma Phi
Radio Eng. Society

PHINNEY, H. R.
Dennysville, Maine
Tau Sigma Eta
Radio Eng. Society

PURDY, C. A.
Angola, Indiana
Radio Eng. Society

PAGE, R. S.
Mayville, N. Y.
Radio Eng. Society

PARLETT, W. G.
Columbus, Ohio
Radio Eng. Society

PUCA, Q. J.
Angola, Indiana
Radio Eng. Society

OLESON, L. D.
Chippewa Falls, Wis.
Sigma Phi Delta
Tri-Angle
Radio Eng. Society

ORTIZ, R.
Puerto Rico
Radio Eng. Society

NEASE, L.
Chandler, N. Car.
Radio Eng. Society

MARTIN, R. L.
Maywood, Illinois
College Band
Radio Eng. Society

MARRAH, E. L.
Columbus, Ohio
Radio Eng. Society
Phi Sigma Chi

McELHOES, D. G.
Chickasha, Okla.
Radio Eng. Society

MAHAFFEY, R. F.
Hastings, Nebraska
Tau Sigma Eta
Sigma Epsilon Society
Radio Eng. Society

McINTIRE, O. E.
Sharpsville, Indiana

McLAUGHLIN, R. B.
Angola, Indiana
Radio Eng. Society
Rocket Society
Tau Sigma Eta

LEARS, G.
Angola, Indiana

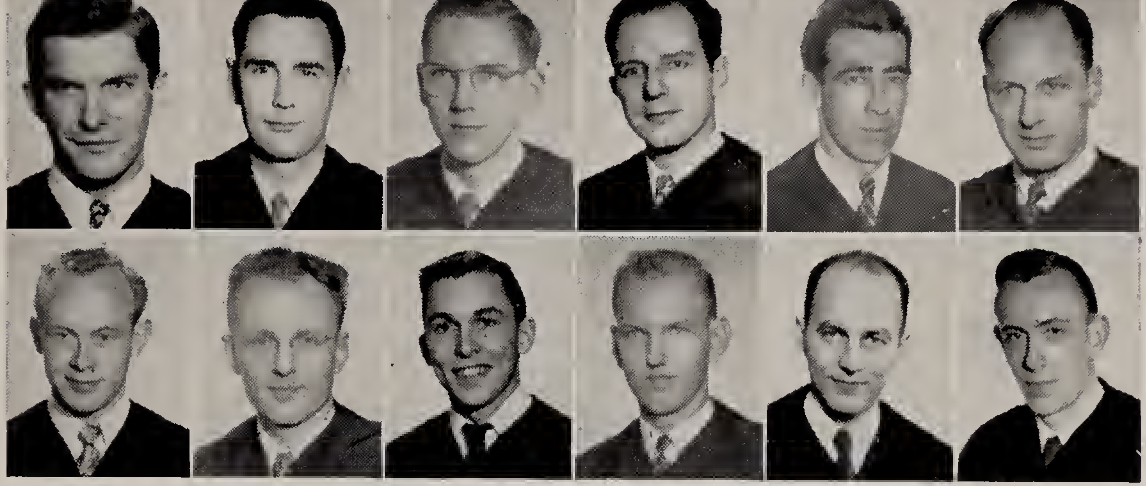
MELCHI, M. L.
Decatur, Indiana
Radio Eng. Society

MILLER, C. L.
New Milford, Ohio
Radio Eng. Society

MOORE, C. A.
Williamsport, Pa.
Radio Eng. Society
Phi Sigma Chi

MILLS, C. W.
Swannanoa, N. C.
Radio Eng. Society

Bachelor of Science In Radio Engineering



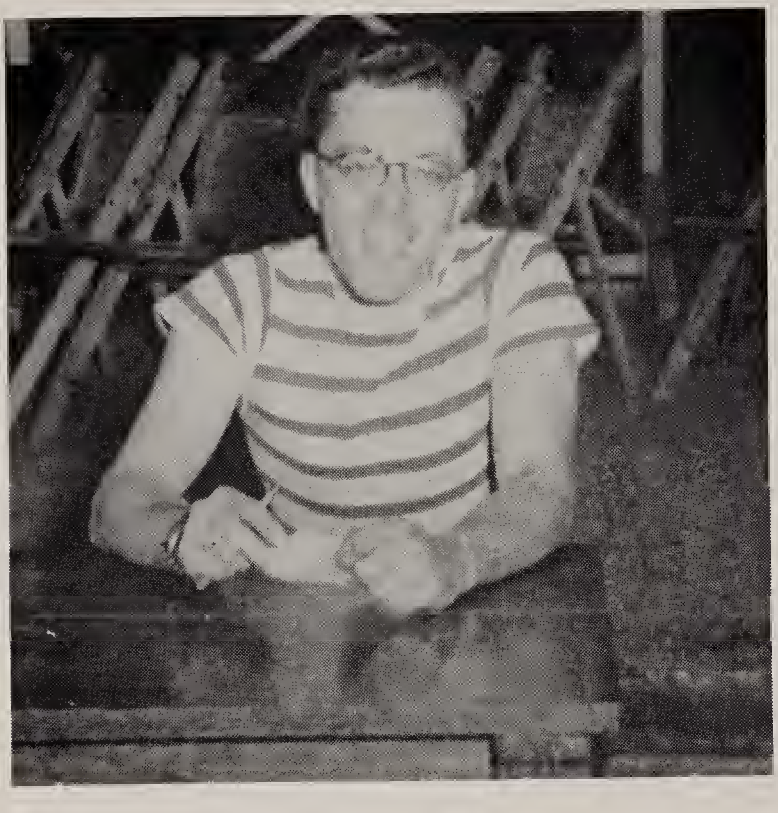
KOFLER, E. J., *Racine, Wisconsin,* Radio Engineering Society; GILLIS, C. D., *Halifax, Nova Scotia,* Radio Engineering Society, Canadian Club; VOLLINK, G., *Grand Rapids, Mich.,* Radio Engineering Society; VER BERKMOES, P. Jr., *Elkhart, Indiana,* Tau Sigma Eta, Radio Engineering Society; ZEMKE, J. J., *Angola, Indiana,* Radio Engineering Society; WILLIAMS, R. E., *Fairmont, W. Virginia,* Radio Engineering Society.

WILSON, J. E., *Miami, Florida,* Phi Sigma Chi, Radio Engineering Society; WILLIAMSON, PETER, *Angola, Indiana,* B. S. in M.E.; WELLS, R. A., *Sturgis, Mich.,* Radio Engineering Society, Beta Phi Theta; WALKER, K. E., *Cloverdale, Indiana,* Tau Sigma Eta, Student Council, Radio Engineering Society; QUICK, J. D., *Angola, Indiana,* Radio Engineering Society; MOST, N. S., *Hawley, Minn.,* Radio Engineering Society, Tau Sigma Eta, Student Council.

Student Snaps

Activities

Nick Gettino, *Pres.*



Bob Hamilton, *Vice Pres.*

Jim Lambie, *Treas.*

Tri-State's

The Student Council is an organization made up of students to promote such student activities as dances, inter-collegiate sports, election of senior class officers, and other activities which will benefit the student body. It is the voice of the students that expresses their views to the college and the public.

Each of the twenty-four active organizations on campus elects a junior and a senior representative to represent their best interests in the Council. It is their duty to attend all regularly scheduled meetings, participate in committees, and report to their organizations any and all progress that has been attained.

This has been one of the most productive years in the history of the Student Council. With a freer hand and more assistance from the college administration, the Council has been able to instigate a fuller social and athletic program.

It is hoped that the high ideals that the Student Council has strived for will be carried on in greater degree in years to come.

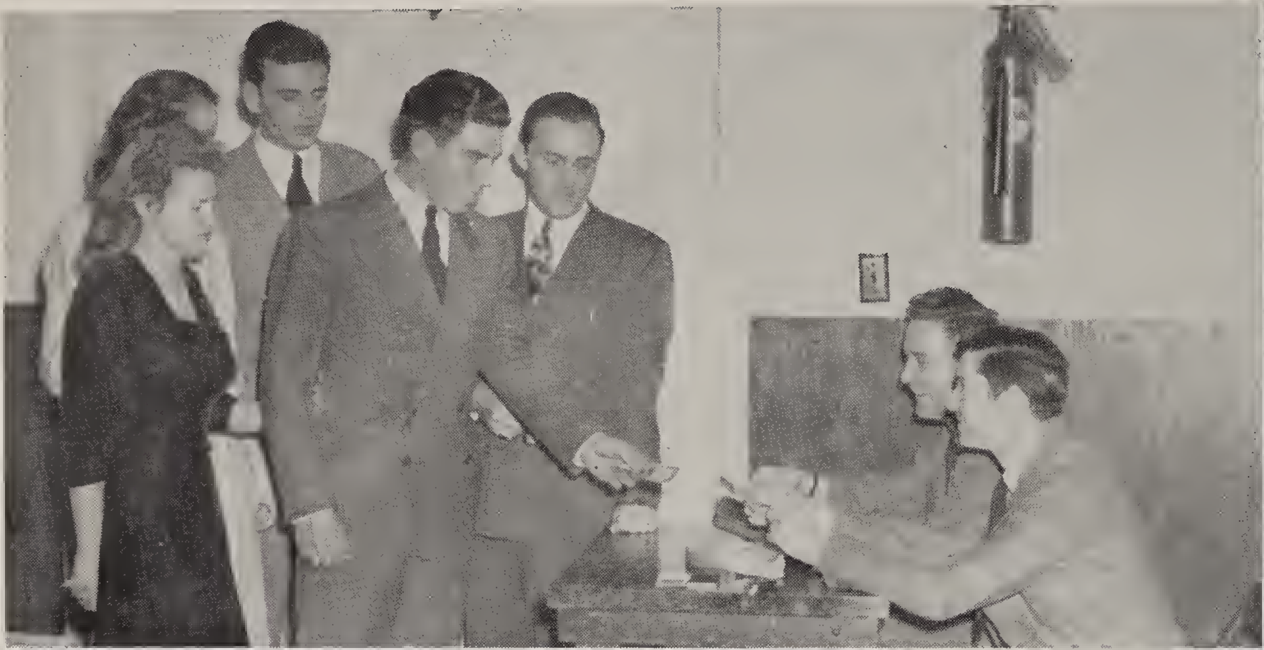
Student Council Representatives

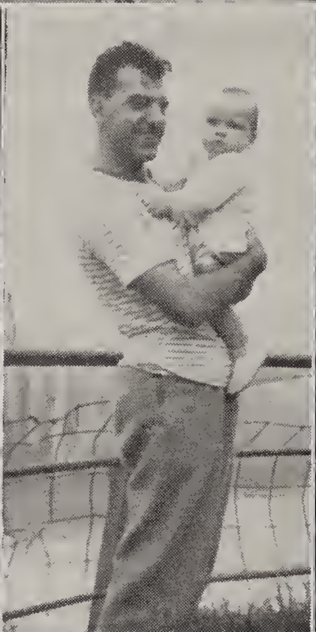
Organizations Represented In The Student Council

Chemical Society
Aero Engineering Society
Photo Club
Tau Sigma Eta
Alpha Sigma Phi
Phi Iota Alpha
Alpha Beta Alpha
Sigma Mu Sigma
Sigma Phi Delta
Radio Engineering Society
Inter-Fraternity Council
A. S. T. E.

Civil Society
Sigma Epsilon
Chinese Club
Beta Phi Theta
Phi Sigma Chi
Phi Kappa
Tau Kappa Epsilon
Theta Mu Pi
Mechanical Engineering Society
Electrical Engineering Society
Canadian Club
Tri-Angle

Student Council





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The Tri-Angle

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Published Monthly By The Students Of Tri-State College, Angola, Indiana

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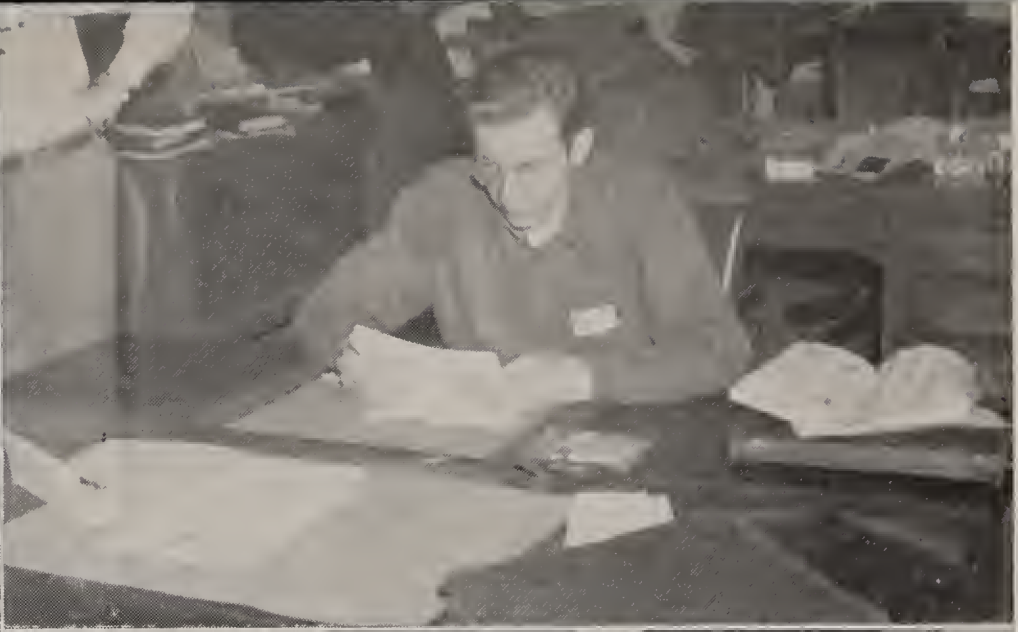

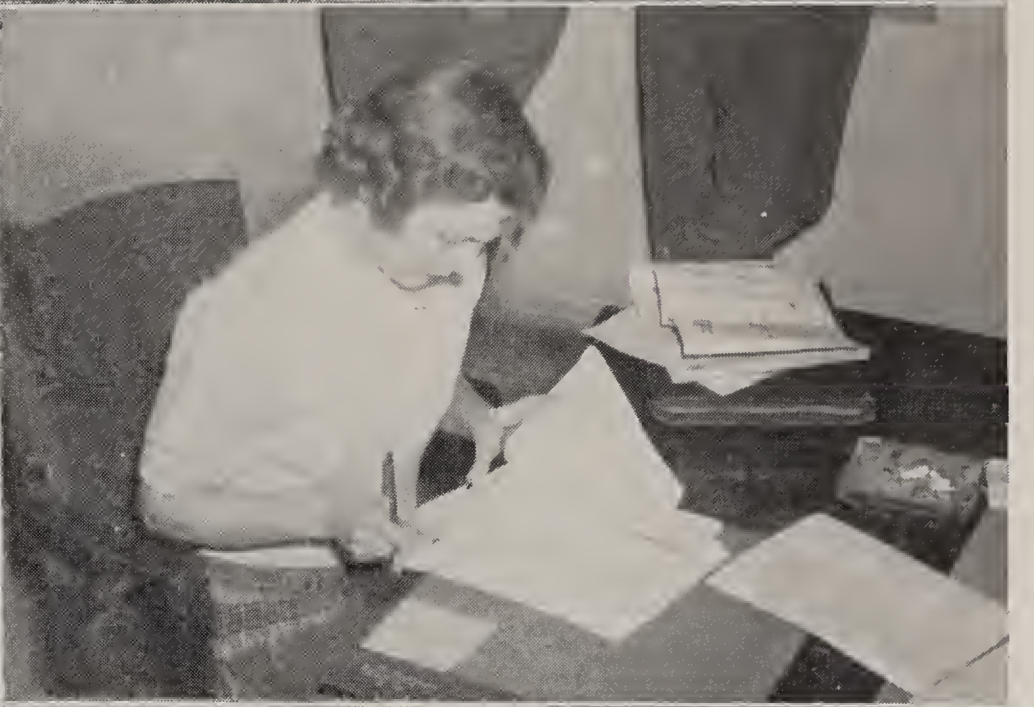

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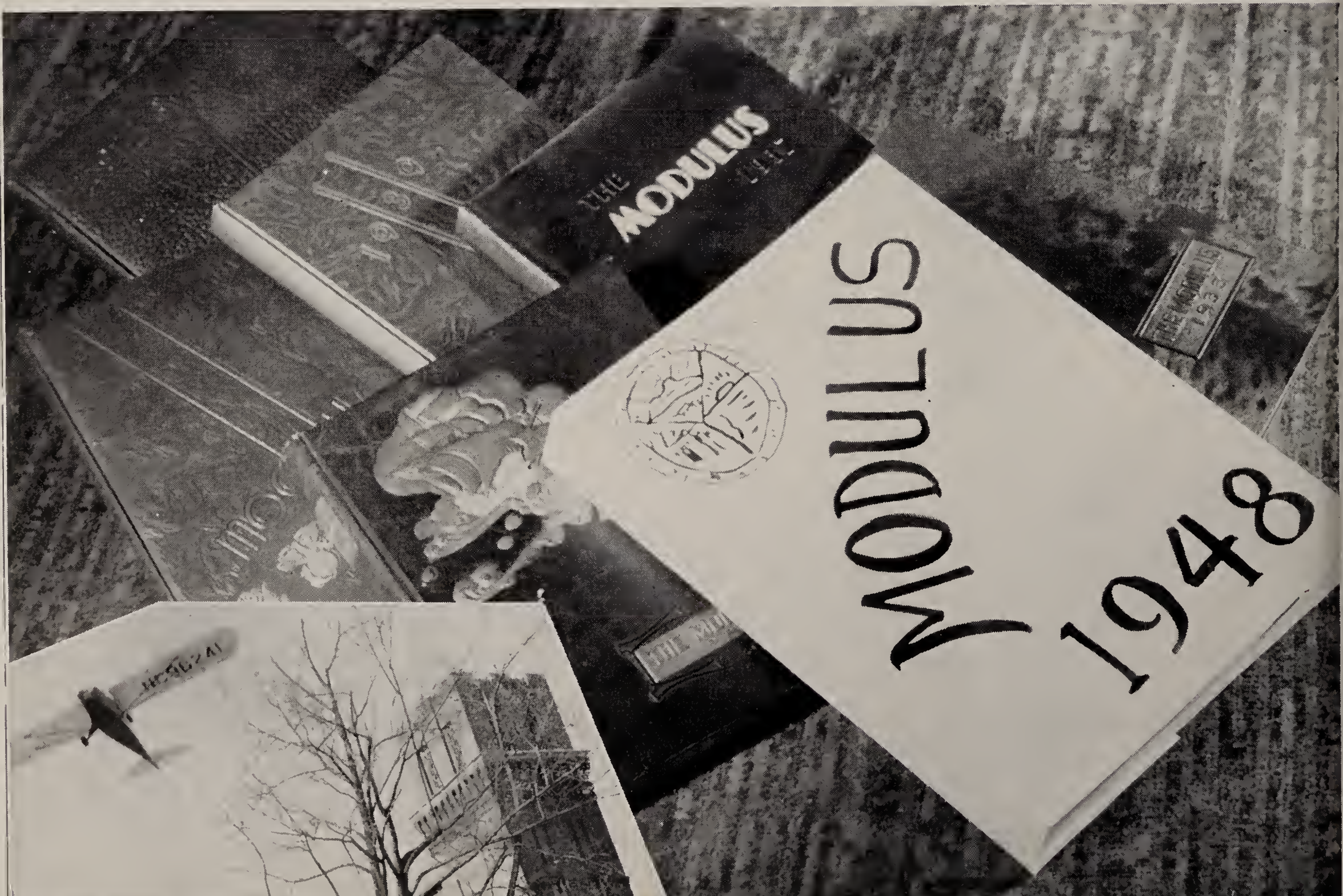
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MODULUS 1948
THE MODULUS 1933

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Associate Editor

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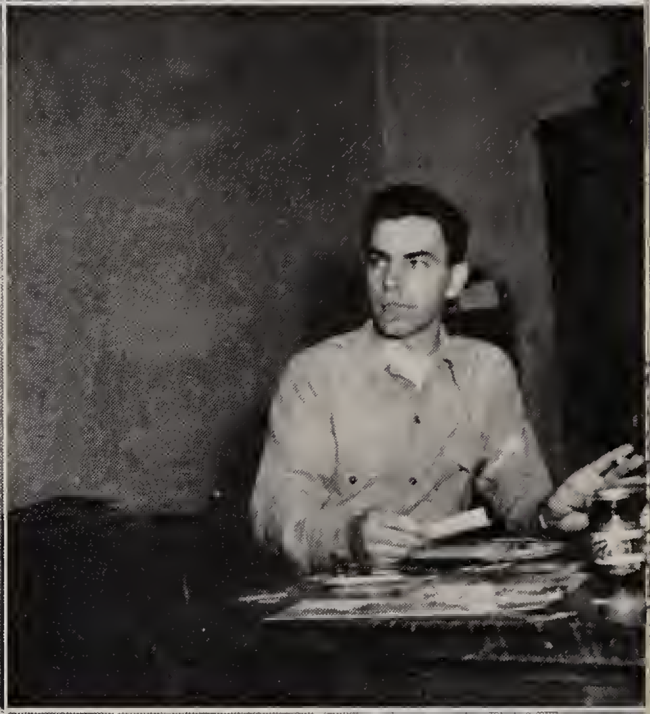

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Lay Out Editor

LEON GOLDBERG
Managing Editor

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Copy Editor

JORRY MARCUS
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Alpha Sigma Phi

On an evening in March, 1924, a new fraternal organization came to the campus of Tri-State College. Known officially as Phi Lambda Tau, it proudly grew and took its place among the leading campus groups. In 1929 it was decided that many advantages were to be gained by becoming affiliated with a national fraternity, so the year 1930 saw the merger of Phi Lambda Tau and Alpha Delta Alpha.

Outgrowing the leash of infancy, the chapters of Alpha Delta Alpha dissolved in the year 1935 due to a limited scope of activities. Following this dissolution petitions were forwarded to a member of the National Fraternity Council, and in November of 1935 the local house became known as the Alpha Beta chapter of the Alpha Kappa Pi fraternity. Driven on by the spirit of progress and achievement, two great fraternal organizations, Alpha Kappa Pi and Alpha Sigma Phi, decided to direct their efforts toward the same lofty goal. Following their consolidation, the local banner was again changed, this time becoming that of the Beta Omicron chapter of the Alpha Sigma Phi fraternity.

A desire for the acme of true brotherhood and fraternalism sponsored the founding of Alpha Sigma Phi. Conceived at Yale College, New Haven, Conn., in the year 1845, it has since grown to the fourteenth largest fraternity in the country. Being the tenth oldest fraternal organization on the American campus, it still holds to the original concepts and high ideals of college life. Standing for charity, culture, loyalty, patriotism and perpetual friendship, its members face a future made bright by the fire of personal development which was kindled within the walls of Alpha Sigma Phi.

Alpha Sigma Phi Fraternity

HARRIS, WM. R.
HARRIS, WALTER
BECHER, WM. A.

DRENTH, DALE A.
FARNER, EDGAR E.
MALMBORG, FLOYD

BROWN, LEE D.
SPEAKE, HARRY
DOFFLEMYER, DOUGLAS

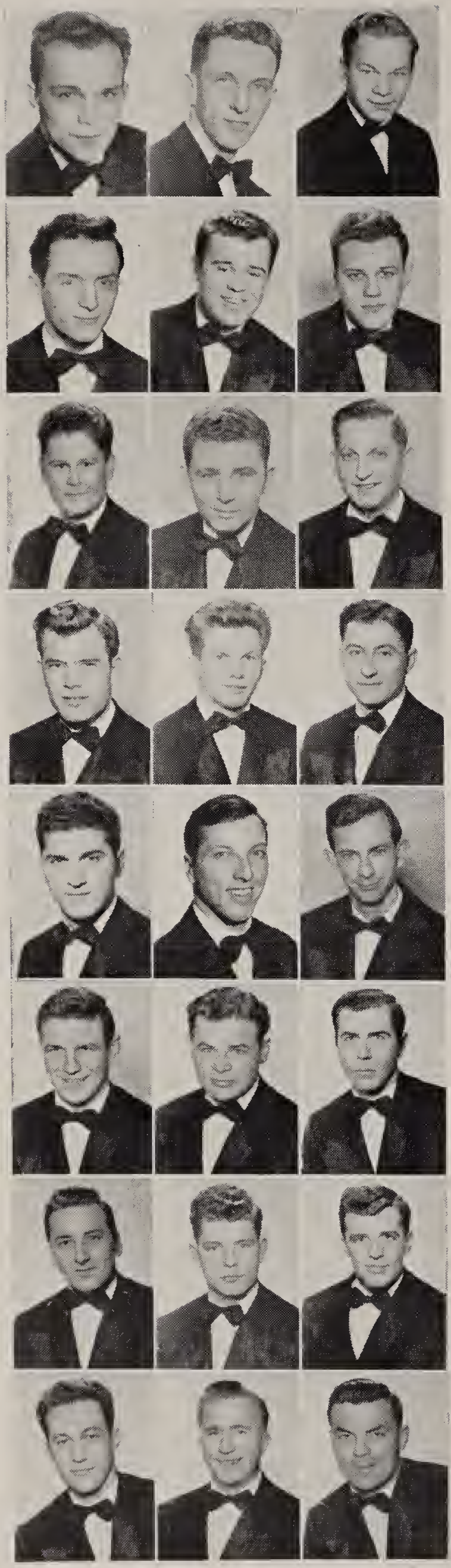
CARLSON, NORMAN
ANZALONE, LOUIS G.
CHANEY, HAROLD

CASILIO, JOSEPH
EXLEY, HAROLD
GARDNER, ALLEN

KREIGH, WM. F.
GUEBARD, ALAN
HAY, DAVID

MORLEY, MARVIN
KELLEY, WILFORD
ABRAMS, RICHARD

LAURITO, ROCCO
McGUIRE, ROBERT C.
JOPSON, GURNAL



Alpha Sigma Phi Fraternity

KANAVEL, EDWARD	MARTIN, DAVID	KATLUN, CHARLES
SHARP, JOHN	ROCHE, DENNIS	WILCOX, CHARLES
ANTON, GERARD	GIBSON, JAMES	THOMAS, ALLEN
WHITFIELD, WM. G.	HOLWERDA, DONALD	MARTONE, PHILLIP
PETRANTO, MICHAEL	KING, W. E.	JOHNSTON, FRED S., Jr.
SCHRIEBER, ALBERT	SHONES, EDWARD L.	YATES, ROBERT
STAHELI, GERALD D.	SCHULTZ, ALEX	SCHOLL, ROBERT
SPAULDING, D. C.	LAUDHAN, FRANK	JOHNSON, ROBERT

Alpha Sigma Phi Fraternity

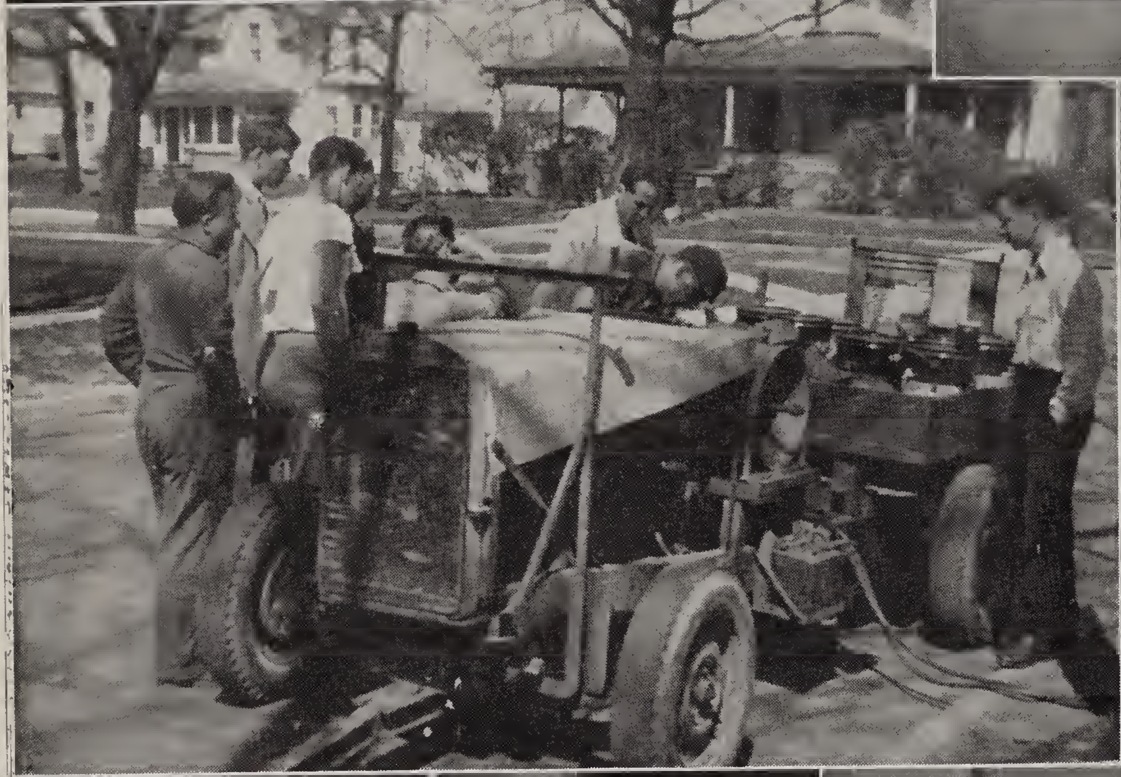
CHOY, HERBERT HATHAWAY, WILBUR

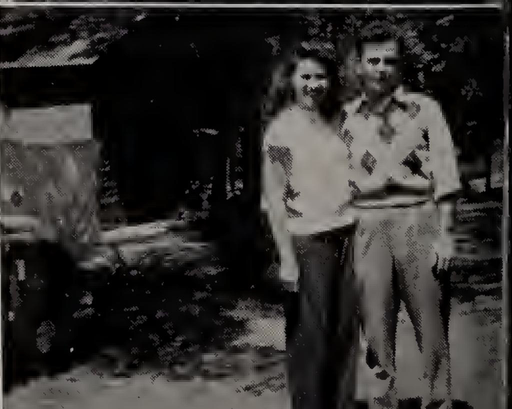
GIBSON, HAROLD ROUSE, ASHLEY

HUMMEL, MATT KING, MICHAEL

TROYER, JAMES JOHNSON, WM.

WOLFE, CHARLES





Σ
Φ

Beta Phi Theta Fraternity was founded at the Milwaukee State Normal School in November, 1917. It was the first social fraternity at the normal school and, in its first few years, flourished purely as a local organization. In 1923, plans were made for expansion, and when the first national convention was held in June, 1924, three chapters responded to the roll call. Since that time, other strong local fraternities from other institutions have become affiliated with Beta Phi Theta.

The history of the Delta Chapter of Beta Phi Theta dates back to 1922. At that time, a group of young men banded together as "The Four Eleven Gang," their sole purpose being the promotion of good fellowship. The organization became so successful that they decided to expand in order to afford other students the opportunity of enjoying this relationship. It was at this time that Lambda Phi Epsilon was born. The membership of this fraternity grew and, recognizing one of the great needs of the college student, opened the first fraternity house in the history of Tri-State, in the year 1925. In 1929, when the college recognized fraternities, the members of Lambda Phi Epsilon realized the advantages of national membership and became the Delta Chapter of Beta Phi Theta.

Delta Chapter, now in its nineteenth year at Tri-State, has never lost sight of the ideals of its founders. Those chosen for brotherhood are men who have courage, initiative, and fortitude before our eyes. This policy of selection has insured lasting life and leadership for our fraternity and has made Beta Phi Theta one of the most honored and respected organizations on the campus. Scholastically, morally, physically, and socially the members of Delta Chapter are pledged to contribute their best and will, in the future, be more than proud to share in the progress of the college, the fraternal body, and the fellow student.

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Beta Phi Theta Fraternity

McKIBBEN, *President*
BORNER, *Vice President*
DAMON, *Secretary*
MEADOR, *Treasurer*

DELT CHAPTER

Beta Phi Theta Fraternity

BENAOL, EARL	JENSEN, WARD	SAMFORD, HAROLD
WALKER, LEWIS	GORKA, LEWIS R.	WEBER, JOSEPH R.
MEADOR, ROBERT O.	STANWICK, MAURICE	HESS, MALMCOM
SPAULDING, CLAUDE	DAMON, WAYNE E.	ASHTON, EDWIN E.
DAMON, IVAN R.	ROTRAMEL, M. L.	COOK, CHARLES
GINGRIDE, WILLIAM	CONNELLY, THOMAS E.	

Beta Phi Theta Fraternity

ZAVATSKY, IRVIN — McKIBBEN, ROBERT — KELSO, ROBERT

MILLAR, WILLIAM — YARBER, BRADFORD — VERNON, PAUL B.

WHARTON, ROBERT — OLSEN, A. R. — SMITH, R. G.

HAWRYLUK, WILLIAM — KYLE, THEODORE — BORNER, DONALD

GRIFFITH, HAROLD J. — CLEMENS, ROBERT S. — HELMKE, MARTIN

WELLS, RODGER — COLPAERT, CAMIEL

DELTA

SILVA, *President*

BELLO, *Vice President*

DIAZ, *Treasurer*

Phi Iota Alpha Fraternity

The origin of this organization dates back to 1921 when it started its activities as the Club Hispano-Americano, composed totally of Spanish-American students attending Tri-State College. After six years of existence, it was registered under the laws of the State of Indiana as the Alpha Chapter of Gamma Eta Alpha Fraternity.

Not contented with our local success an active and intensive campaign was started by us; this movement culminated with the fusion to the Phi Lambda Alpha Fraternity as the Eta Chapter. This fraternity, whose ideals were our own and whose views were similar to ours, having five chapters solidly established throughout the most important universities of the east, represented our goal. Then uniting our efforts with theirs, we carried on our campaign going from one success to another. On December 26, 1931, during our annual convention held that year in the city of Troy, New York, the Phi Lambda Alpha merged with the Sigma Iota, another strong Spanish organization with chapters in the South, to form the present Phi Iota Alpha Fraternity of which we are the Iota Chapter.

At present, we are the strongest Spanish Organization in the United States with ten well organized chapters and several new prospects. This, our organization, does not only comprise the United States, but it also comprises every Latin American country each one representing a zone, and the several zones in a body go to make up the Latin American Union.

Our aims are, besides fostering among our members a better sense of duty and study, to create that Latin atmosphere which is an integral part of our far away homes and to prepare our members to carry out in the future that great ideal, our ultimate goal: "The political and economical union of all Latin American countries."

Phi Iota Alpha

MACHUCA, LUIS

ALBANDOZ, RAFAEL

ANEZ, WILLIAM

AROCHO, FERNANDO

AROCHO, ROBERT

BELLO, FRANCISCO

COLBERG, LUIS A.

DE LOS RIO, RAFAEL

TANG, FRANCISCO

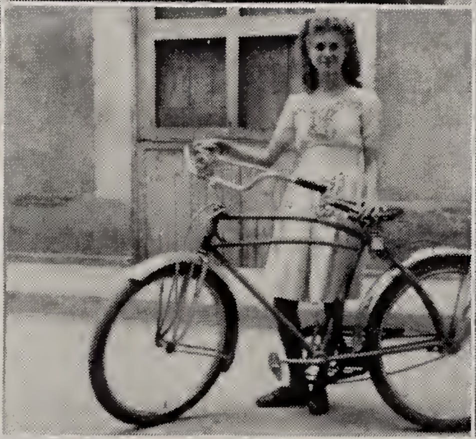
FERNANDEZ, ADALBERTO

LAIRTUS, JORGE

MONTALVO, HECTOR

SILVA, EUSEBIO

TORRES, ANGEL



¡LECHE
ILUSTRADO

GILPATRICK, *President*

BUFFONE, *Vice President*

SALVADORE, *Secretary*

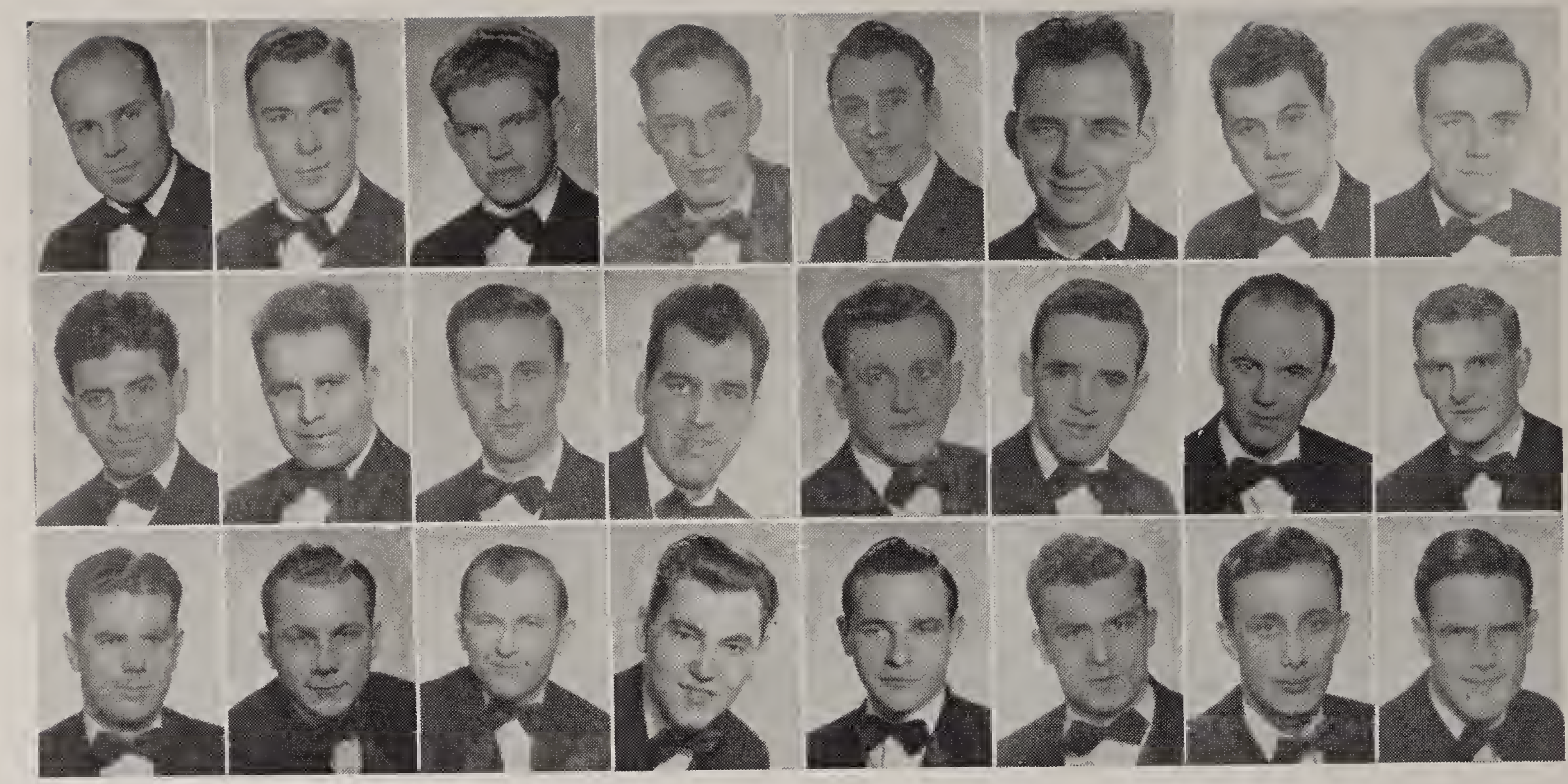
BAKER, *Treasurer*

Phi Kappa

The Alpha Gamma Chapter of Phi Kappa is the fruit of the toil undergone by the members of the organization once known as Alpha Gamma Omega. In May of 1943 a charter was sought of the Phi Kappa National Catholic Fraternity, and on January 24, 1944, the Alpha Gamma Omega fraternity was initiated into Phi Kappa as the twenty-seventh chapter.

Among its many achievements in Phi Kappa, this chapter has endeavored to maintain the high scholastic standards set by predecessors, as well as to enter into all inter-fraternty activities. Our main purpose on the Tri-State campus is to aid each member in bettering his efforts in learning; in developing a sense of responsibility and of loyalty; in instilling a fervent desire to contemplate creatively and to act constructively on each endeavor of the organization.

We are proud of our accomplishments, and in the future are planning for a larger and better chapter of Phi Kappa. The maintenance of our ideals of fraternalism and religion is our prerogative and will carry us to ultimate success is each undertaking.

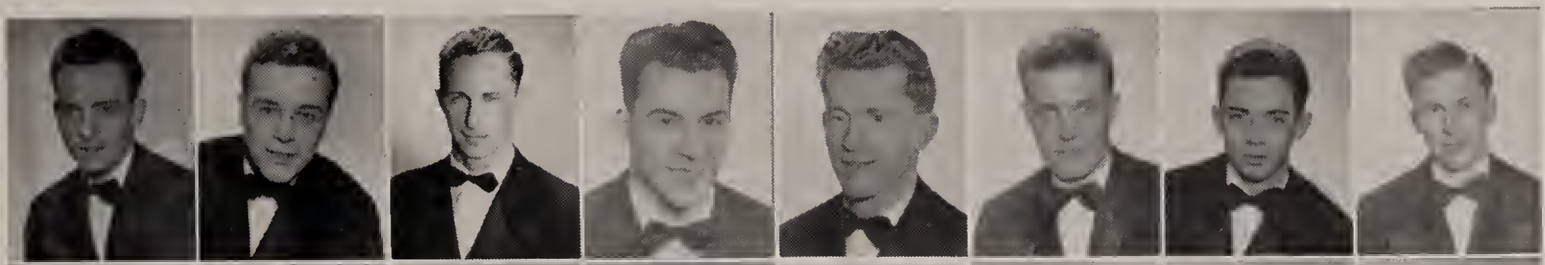


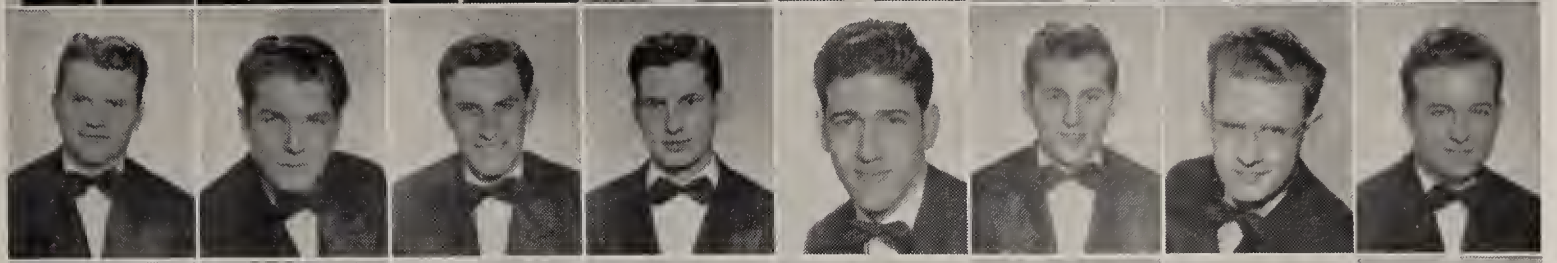
Charewicz, Francis; Leydecker, Fred; Butler, Paul; Erbacher, Herman; DeKegelaer, Camiel; Guendel, Fred; Grothouse, Ralph; Dorgan, William.

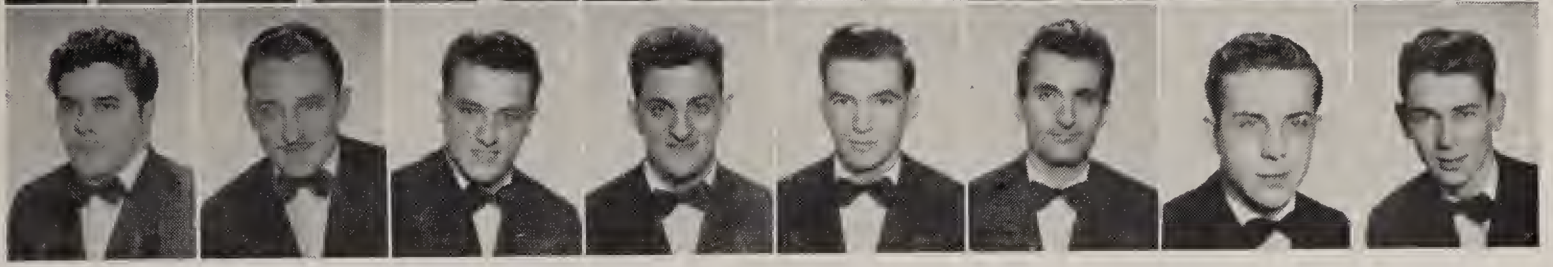
Esposito, Anthony; Gilpatrick, Amisa; Meisner, Joseph; Gettino, Nick; Ginther, John; Andolsek, William; Baranowski, Thaddeus; Hausman, John.

Gibbons, John; Baker, John; Abramowicz, Stanley; Dzick, John; Weisbeck, Richard; Everett, Frederick; Benevelli, Leonard; Connelly, Thomas.

Phi Kappa Fraternity





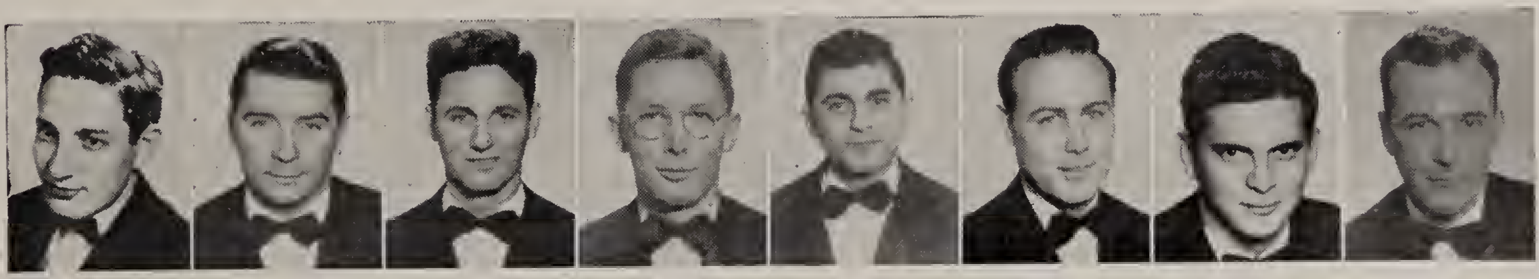


Gulvin, Donald; Gaffney, James; Lundy, Robert; Sacco, Vincent; Lynch, Robert; Olson, Robert; Lavey, Terrance; Cormier, Charles.

Semancik, Michael; Mainente, Victor; Sable, Robert; Penza, Chester; Trimarchi, Joseph; Drozdziel, Marion; Korbus, Hubert; Kolasinski, Edward.

DeSpirito, Carmine; Walter, Richard; Leo, Salvatore; Thomas, Tony; Regan, Joseph; Phillips, Glen; Baker, Joseph; Cross, Donald.

Buffone, Vincent; Kane, John; Paszli, Louis; Toussant, Frank; Miano, Paul; Muller, George; Santos, George; Kelleher, Daniel.



WELCOME BACK
WE WELCOME YOU

Φ
K
ALPHA GAMMA

Student Snaps

HAMILTON, *President*

EVANS, *Vice President*

SHAHEEN, *Secretary*

TIMMONS, *Treasurer*

Sigma Mu Sigma

On Good Friday, March 25, 1921, at Tri-State College, Angola, Indiana, the Sigma Mu Fraternity was founded on this campus by three Master Masons. These men were assisted by nine other Masons in founding this organization. Three years later, in 1924, the Charter for Alpha Chapter of Sigma Mu Sigma was granted by the State of Indiana.

The ideals and character of the founders of this fraternity were of the highest quality; the wisdom and sincerity imbued in this fraternal body by these men has burned a traditional flame in the hearts of all brothers. Definite leadership in all fields has been shown in the years gone by, and will continue in the future, as long as our neophytes are taught the high moral, traditional, and brotherly standards, perpetuated by the original leaders of Sigma Mu Sigma.

Even with the most valiant efforts of the loyal members, the national crisis of the 1930's forced Alpha Chapter, Sigma Mu Sigma, to become inactive. This was a hard blow, but members with pride and loyalty in their hearts, knew that some day Sigma Mu Sigma would be reorganized.

That day came in 1940, with Alumni spearheading the return. Since that year we have been constantly striving to live up to our old standards. With the same old fight, even with the loss of members to the armed services, the fraternity moved on. Yes, we can be justly proud of our fraternity, and the tradition for which it stands.

Our members have striven to hold our high scholastic standards and our social responsibilities to the fraternities on the campus. Through this feeling of sincerity and friendliness toward other men, we shall surely be ready to become true citizens of a truly great country.

Sigma Mu Sigma Fraternity

DETTWEILER, KENNY	ABEL, BILL	SHAHEEN, JIM
SMITH, WILLIAM E.	HLATKA, MARSHAL	GARL, MAX
LYONS, JOHN	THURSTON, FRANK	GETTIG, WILLIAM A.
CRISSMAN, DAVID	SWAGGER, S. W.	TIMONS, MERLE
RIPPLE, LEE	LAMBIE, JAMES	EDDY, DONALD
HAMILTON, BRUCE	BOYER, DICK	PAYNE, BOB
MONROE, PAT	JOHNSON, NEAL	EVANS, ROBERT
	WILLIAMS, JOHN	

Sigma Mu Sigma Fraternity

MOORE, MICHAEL   LEE, SIDNEY   DUNHAM, JOHN

SENSENBAUGH, NORMAN   BARTROM, HARLAN   PARK, ARTHUR

GEORGE, DEAN   EARLING, L. E.   HAINSWORTH, KENNETH

GREIM, ROBERT   MIXER, DARWIN   McALLISTER, ROBERT

LEACH, ARTHUR   PASCOE, WILLIAM   KEELING, GEORGE

MOYES, LIONEL   KELEMEN, ROBERT   LENTZ, RODNEY

BROWN, HARWARD   HENDERSON, ROBERT

6

JUST
MARRIED
ONE
MORE
SUCKE
STATE

WALTER CONNELL, JOE SPAYTH, MELVIN SPOTTS

Phi Sigma Chi Fraternity

Phi Sigma Chi Fraternity was organized at Zanesville, Ohio, on November 28, 1901. From that time it has spread its wings over the entire country inaugurating chapters in thirty states.

This chapter, which represents Phi Sigma Chi on Tri-State's campus, was taken into the fold in the fall of 1927 and called Delta Epsilon. The members of this chapter have gone far in carrying on the principles for which the Fraternity stands, FRIENDSHIP and BROTHERHOOD.

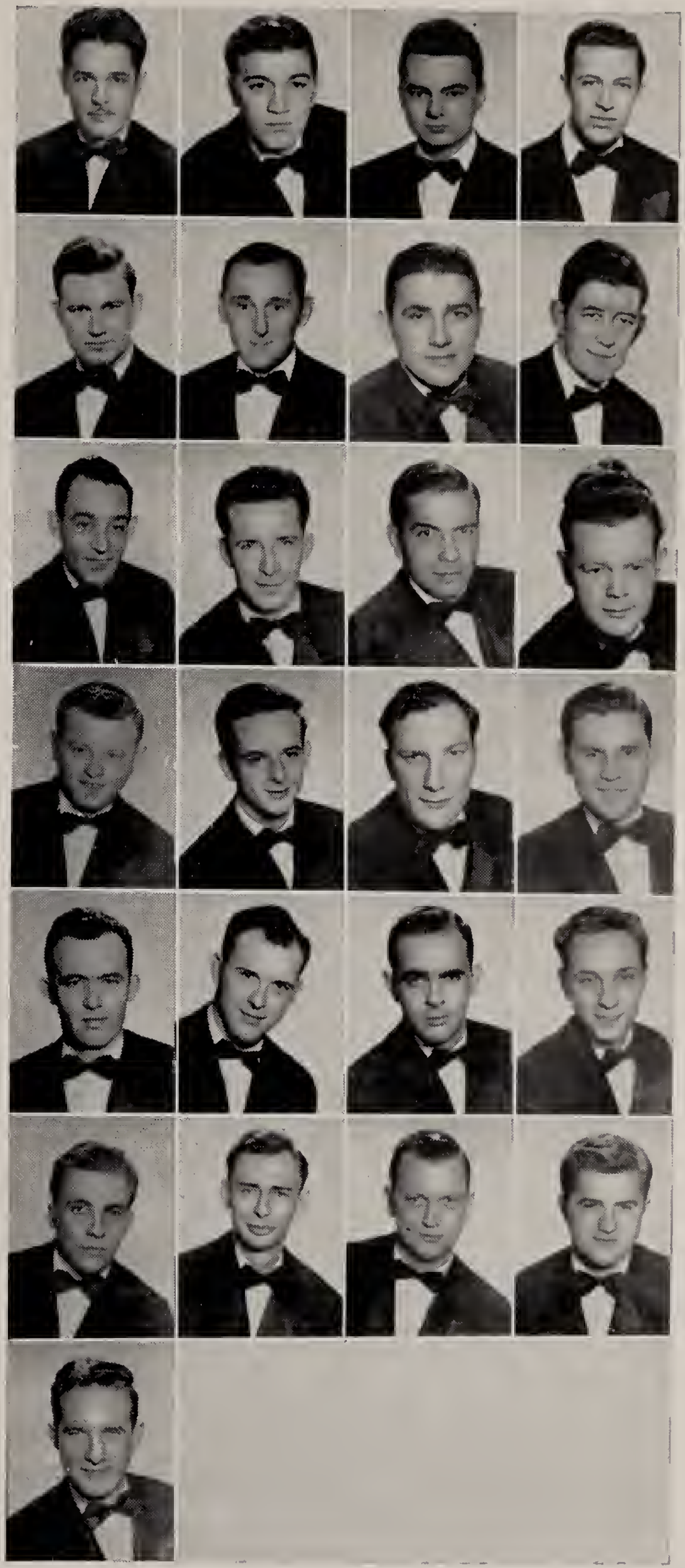
Our Fraternity, which in correct terminology, is a social fraternity, opens its doors to anyone who is willing to live up to the principles and traditions set up by our glorious past. Friendship and brotherhood, instilled into the characters of our members, has swelled the chests of each and everyone who has called themselves a "Phi Sig." It is with great pride and pleasure that we can be associated with such a splendid group of organizations.

During the pledging days our brothers occupied many homes here in Angola. Since receiving our wings, however, we have roosted contentedly at our present location, which so many call the "Big House" because of its tremendous size and stately appearance.

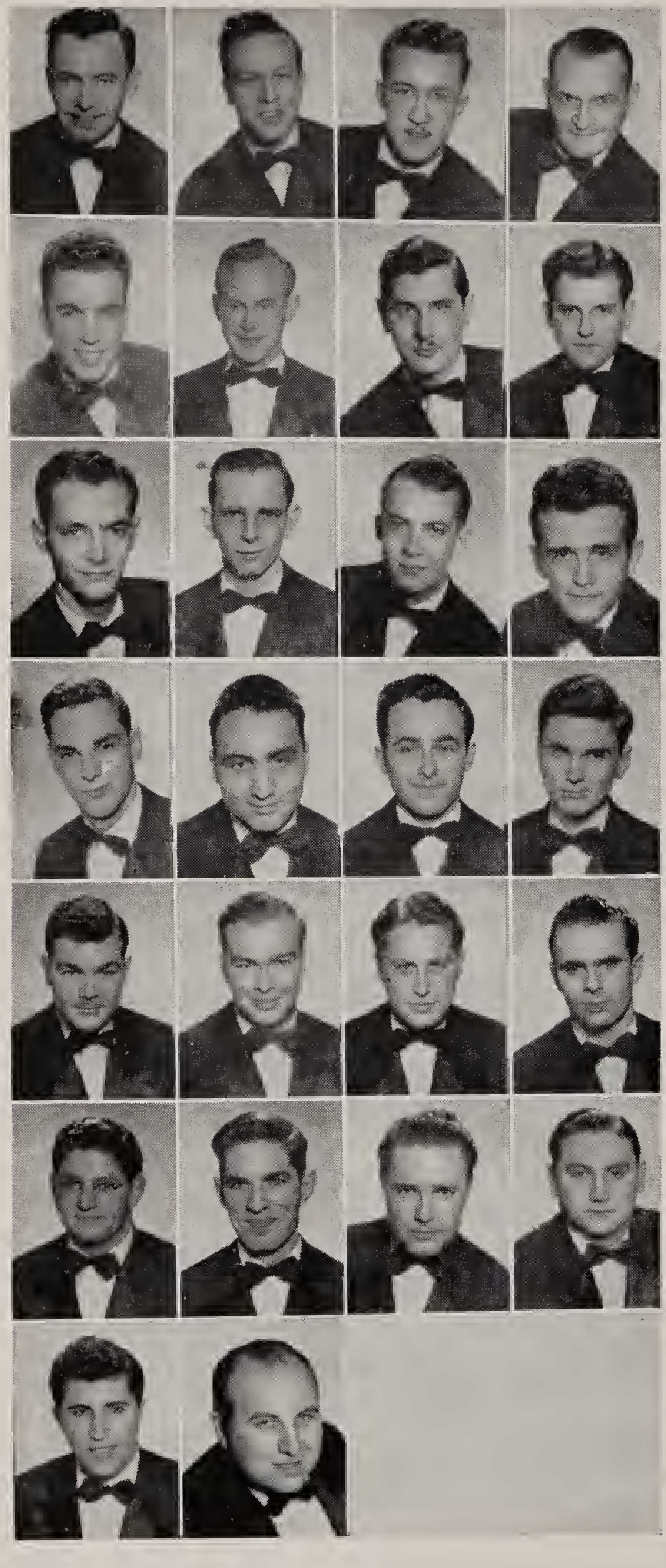
To the men who are leaving through our doors for the last time as students and entering the world fortified by the experience and lessons obtained here at Tri-State College we wish you happiness and a great future. In our farewell we shall also say, "Remember 50."

Phi Sigma Chi Fraternity

Ruby, Robert	Novelli, Elmo	Rutka, Stanley	Shafer, Andy
Pugh, James	Alger, Ivan	Spotts, Melvin	Renehan, William
Marrah, Edward	Darcy, Owen	Wise, Harry E.	Wilmer, Joseph
Larson, John	Arnold, Don	Todd, Eugene	Witt, Charles E.
Haynes, Fred E.	Kio, Basil	Jones, William	Weber, Marvin, A. C.
Wright, Robert	Ramp, Robert B.	Kamp, Richard	Strelinski, Casimir
Blue, George			

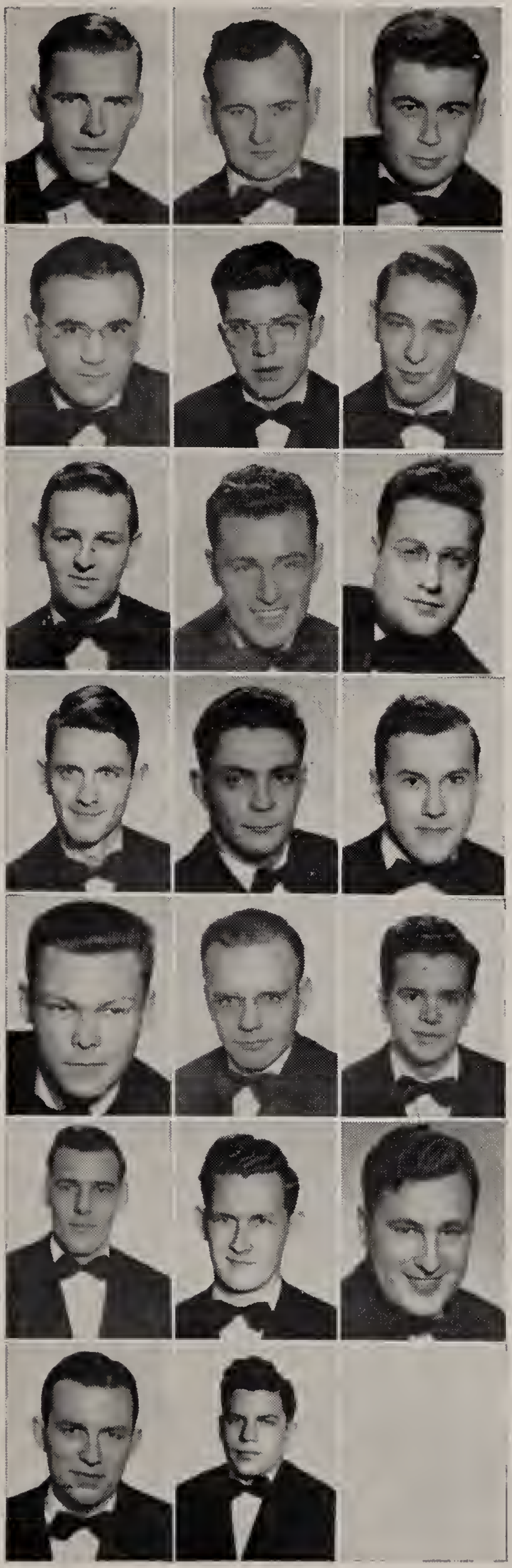


Phi Sigma Chi Fraternity



Kaswaczewski I.	Solomon, Philip	Groll, Marvin	Niederst, Edwin B.
Snyder, Edward J.	Wilson, James E.	Mazurkiewicz, Gerald E.	Myers, William
Brons, John	Connell, Walter	Placier, George F.	Megargle, Robert J.
Stoetzner, Erwin	Saccareccia, John	Picone, Alfred J.	Spayth, Joe
Clevenger, Dick	Havill, Melvin	Chokey, Eugene	Barnett, Clyde E.
Beutler, Robert	Crider, Orin	Johnson, Don	Buckley, Edward
Klein, Jack	Luxford, Harry		

Phi Sigma Chi Fraternity



Hanes, Charles　Guckelberg, Earl　O'Hare, John

Calicchia, John L.　Smith, Schuyler　Henley, James

Curwin, Kenneth　Devlin, John A.　Delcoco, Joseph

Stratiff, Robert　Croake, William　Bandzuh, Bernard

Woodworth, Steve　Sheely, Kenneth M.　Heaney, Richard D.

Ernest, Merlin　Moore, Charles　Krasinski, Frank

Kauffman, E. L.　Miller, Bradley

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MIKASINOVICH, *President*
GROVEN, *Vice President*
GRANATA, *Secretary*
FOTI, *Treasurer*
YEAGER, *Reporter*

Sigma Phi Delta

When Professor LeRoy Horpedahl came to Tri-State in the Fall of 1946, he saw the need for an Engineering Fraternity on the campus. He called a meeting in the first week of January attended by six men. This small group rapidly grew in two short weeks to 43. With this group Kappa Lambda Pledge Chapter was formed. Lyle Oleson was elected president of this charter group.

The Kappa Chapter received its charter on May 25, 1947. The house is located near the campus. Since organized this chapter has won the scholastic plaque five times. They have won the basketball trophy in 1947 and the softball trophy in 1948. The membership is open to any student registered in Engineering and maintaining an average required by the College.

Sigma Phi Delta is an International Social Fraternity of Engineers. It has as its object the promotion and advancement of the Engineering Profession and Engineering Education; the instilling of a great spirit of cooperation among Engineering Students and their Organizations; the inculcation in its members of the highest ideals of Christian manhood, good citizenship, obedience to law and brotherhood; and the encouragement of excellence in scholarship.

Sigma Phi Delta Fraternity

Haslett, Ralph; Ellison, Donald; Everetts, Blaine; Jenner, Millard; Barton, Charles; Gladd, Millard.

Mikasinovich, Nick; Kunecki, Harry; Elson, Robert; Groven, Paul; Phares, Paxton; Bajek, Jerry.

Clouse, Max; Hanna, Arthur; Dunham, Howard; Montagna, Charles; Grivetti, Elmer; Thompson, Lloyd.

Foti, Joseph; Lawson, Thomas R.; Oleson, Lyle.

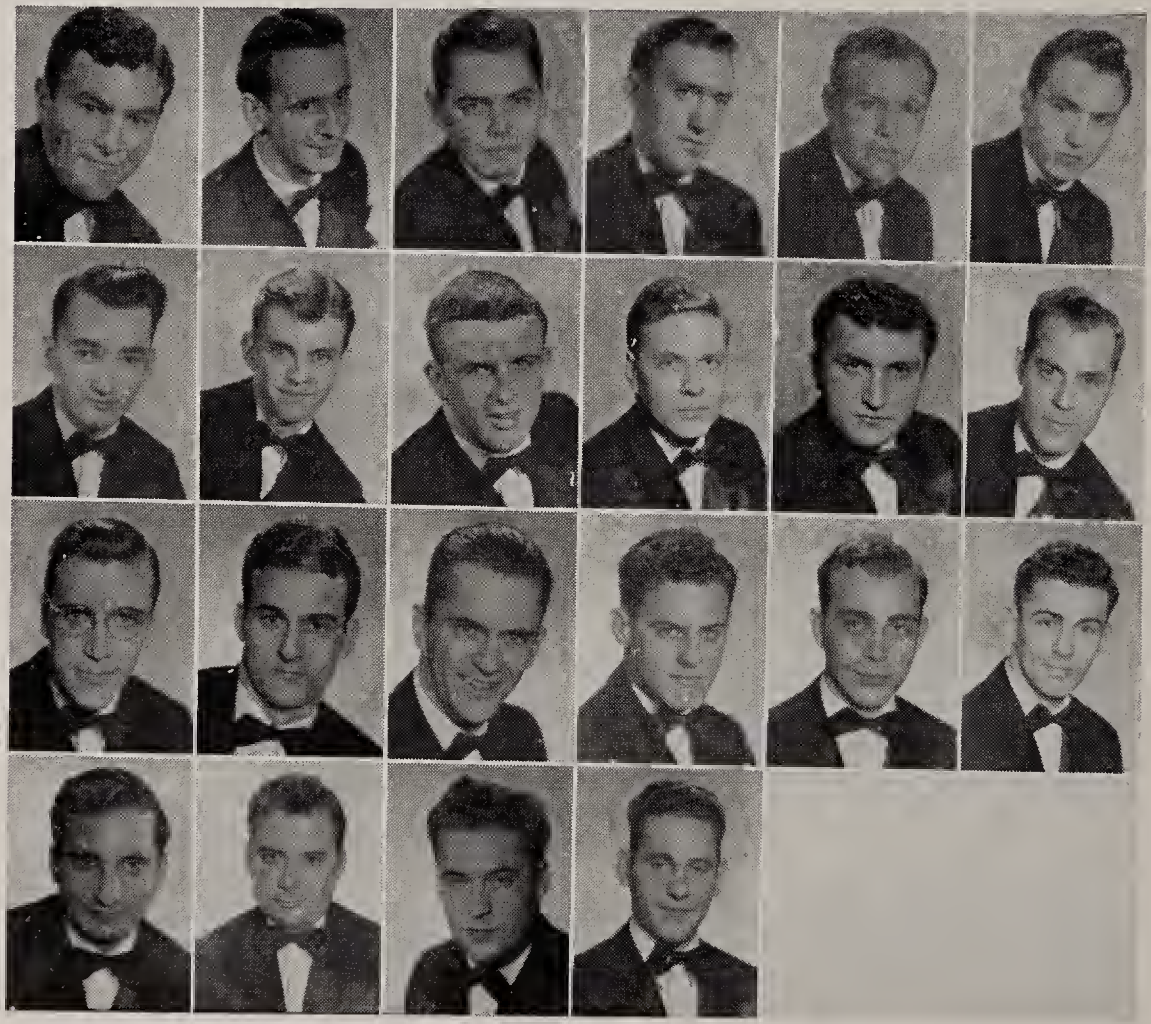
Sigma Phi Delta Fraternity

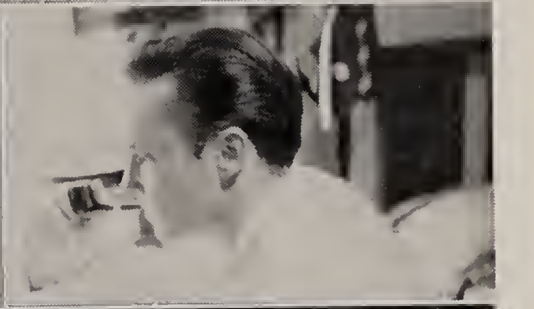
Patota, Francis; Wiewanbt, Carl; Weaver, Jack; Plank, Charles; Zanders, Charles; Over, Donald.

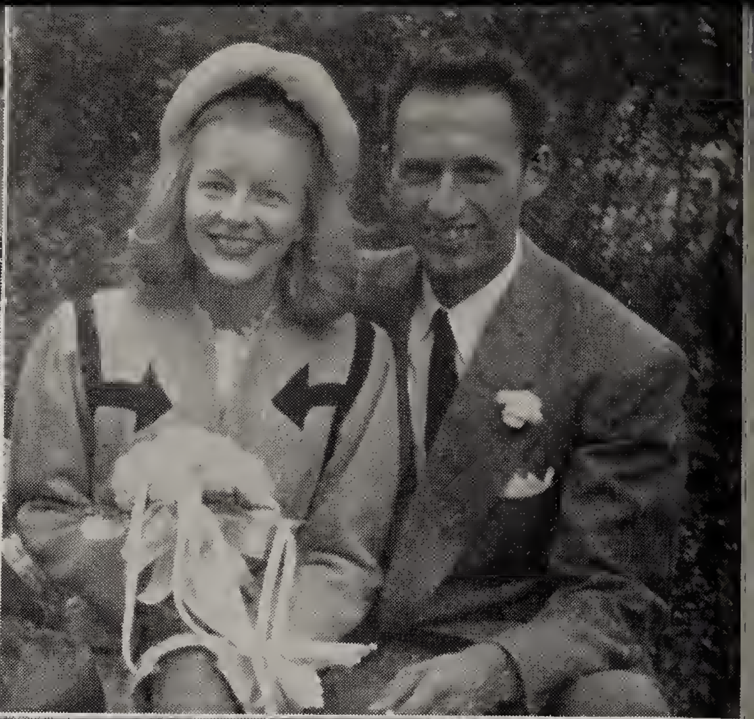
Gooch, Ted; Smith, Bob; Thomas, Bill; White Charley; Romeo, Ernest; Morrow, John R.

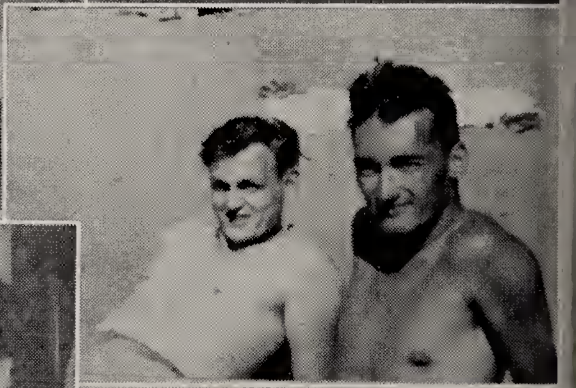
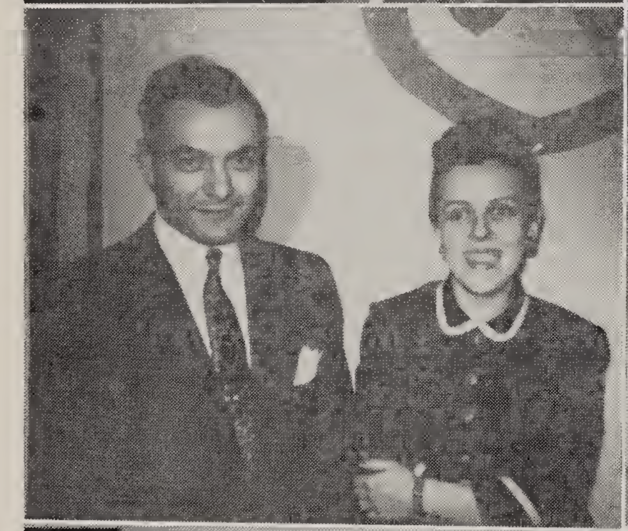
Yeager, Samuel; Boettcher, Herbert; Ashmead, Joseph; Stilson, Harold; Stork, Richard; Bell, Robert.

Granata, John; Wagner, R. W.; Smith, Boyd; Desmond, Richard.







Tau Kappa Epsilon

The goal of this fraternity has always been and still is, to keep moving onward and upward towards constant improvement. This is shown by our expansion from Sigma Mu Sigma into Alpha Lambda Tau in 1935, and again from Alpha Lambda Tau to Tau Kappa Epsilon in February 1947.

We believe that man is a social being. Our whole structure evidences the absolute interdependence of man. Reclusiveness is dwarfing to man's best qualities. Intimate and frequent contact with our fellows is necessary to symmetrical development. As a consequence organizations, whose purpose is to promote these ends, are to be fostered and encouraged.

We regard mental development as of vital importance, but of equal consequence is the acquisition of a knowledge of men and a proper conception of their relation to one another. This is not obtained from texts and lectures, but from actual and intimate contact with men. To promote these ends is the avowed and earnest purpose of this fraternity. Fully realizing the burdens of this duty, we enter upon its performance with the conscientious purpose of adequately meeting its demands.

It has been said many times that a fraternity is "Your Home Away from Home," and we here at the Beta Epsilon chapter house realize this to its fullest extent.

To those men who are leaving us this year, we wish success and happiness. We hope that the fraternal lesson will be as much help to you as it has been to countless others. To those who are beginning their lesson of fraternalism this year, we offer knowledge that is priceless.

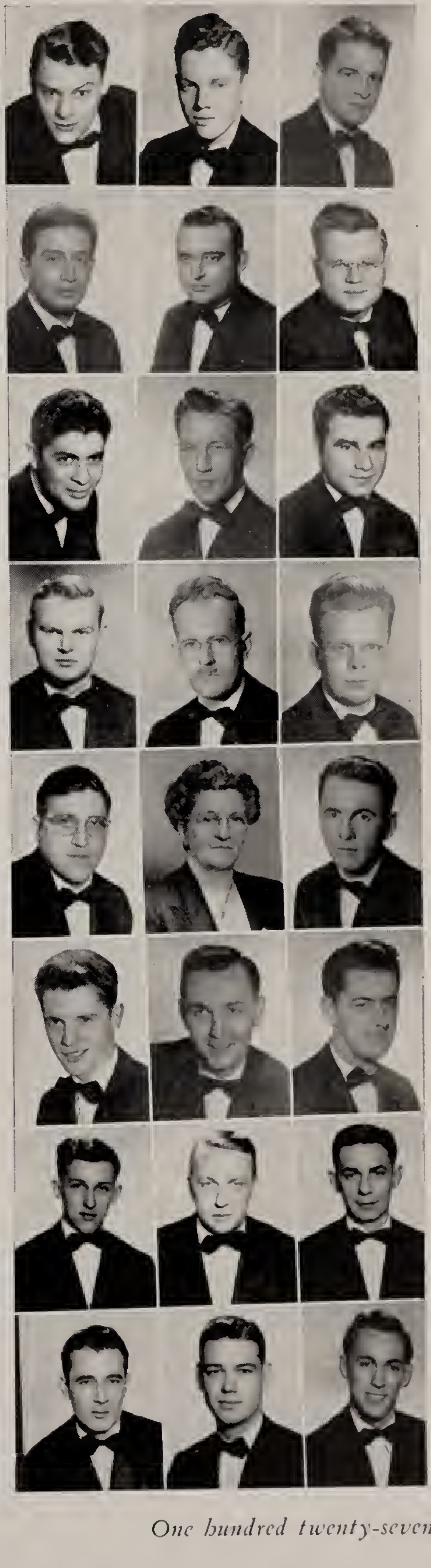
W. Hartman, J. Parlow, R. E. Brooksbank, R. A. Evans, W. Warren, O. Smith, V. Shipley.

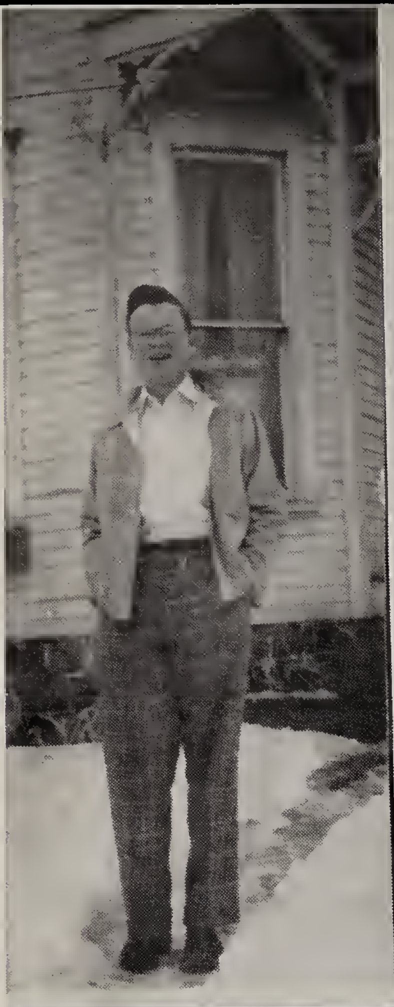
Tau Kappa Epsilon Fraternity

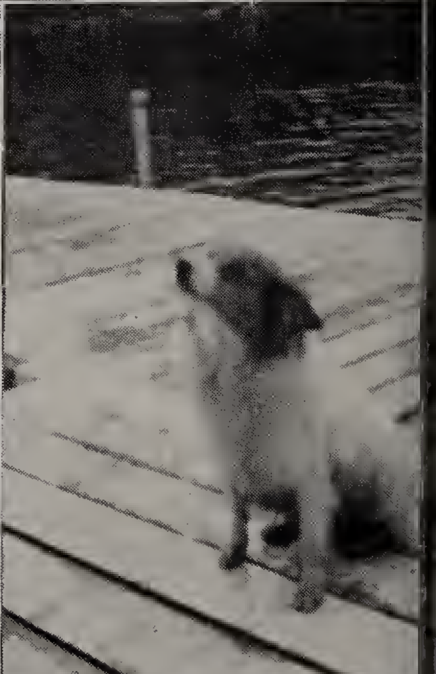
Eicher, Jacob M.	Brown, Art E.	Forman, Lee I.
Bard, Robert	Holas, Gene S.	Brown, Victor
Evans, Richard A.	Daniel, James F.	Ellison, Lloyd P.
McConnell, Charles K.	Lofy, Ralph	Hallman, Frank
Kuntzman, Charles	Hartman, Willard	O'Herron, Phil
Enyart, Glenn	Sutton, N. H.	Smith, Oliver
Sitek, Emil	Saurer, Robert F.	Brooksbank, R. E.
Peterson, Richard	Millerick, Robert	Shipley, Vern

Tau Kappa Epsilon Fraternity

Russell, Bill	Burgess, B.	Parlow, James
Strange, Frank	Duckett, John	Carver, Bob
Trella, Richard W.	Malott, Richard	Riva, Vince
Carver, John	Humphries, John	Gabrielsen, Frank
Warren, Wayne	Mrs. Edna Doubt	Cronin, H. F.
Tower, Dale	Fries, Gordon	Hawthorne, Quintin
Benson, L.	Donovan, Eugene	York, Charles
Michalak, M.	Futrell, James	Campbell, Harold







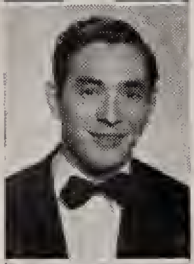
TEKE
HOUSE

Theta Mu Pi Fraternity

KAPLAN, LOUIS

MARCUS,
ALFRED

SINGER,
EDWARD


GOLDBERG,
LEON

ROBIN, DAVID

JONAS, ROLF

De LUCA,
WALLACE

LEVY, ISAAC

November, 1937, saw the realization of a dream long cherished by Tri-State students of Jewish Faith in the establishment of the Kadimah Society, whose aims were to foster and further the educational, social and spiritual life of its members. February 2, 1938, the climax was reached with official recognition by the Board of Directors.

From these beginnings the group moved ahead in its aims and ambitions, to blossom forth in the Fall term of 1939 as a full fledged fraternity under the present name, Theta Mu Pi. This step accomplished, Theta Mu Pi flourished for several years with steady progress, to be slowed and finally interrupted by the exodus of its members into the armed forces during the Fall and Winter terms of 1941-42.

With the return of previous active brothers, and the influx of a new and large student body, interest was revived and the first steps of reformation were taken at the close of the Summer term of 1946. Theta Mu Pi began to function again in September of 1946 with the pledging of a group of new members and has continued active during the past two years with all indications of a bright and progressive future. A great part of its success is acknowledged with grateful thanks to the sponsorship of Dr. C. L. Murray, past President of the College, and the help and cooperation of Alumnus Moe M. Mitzman, of Crooked Lake.

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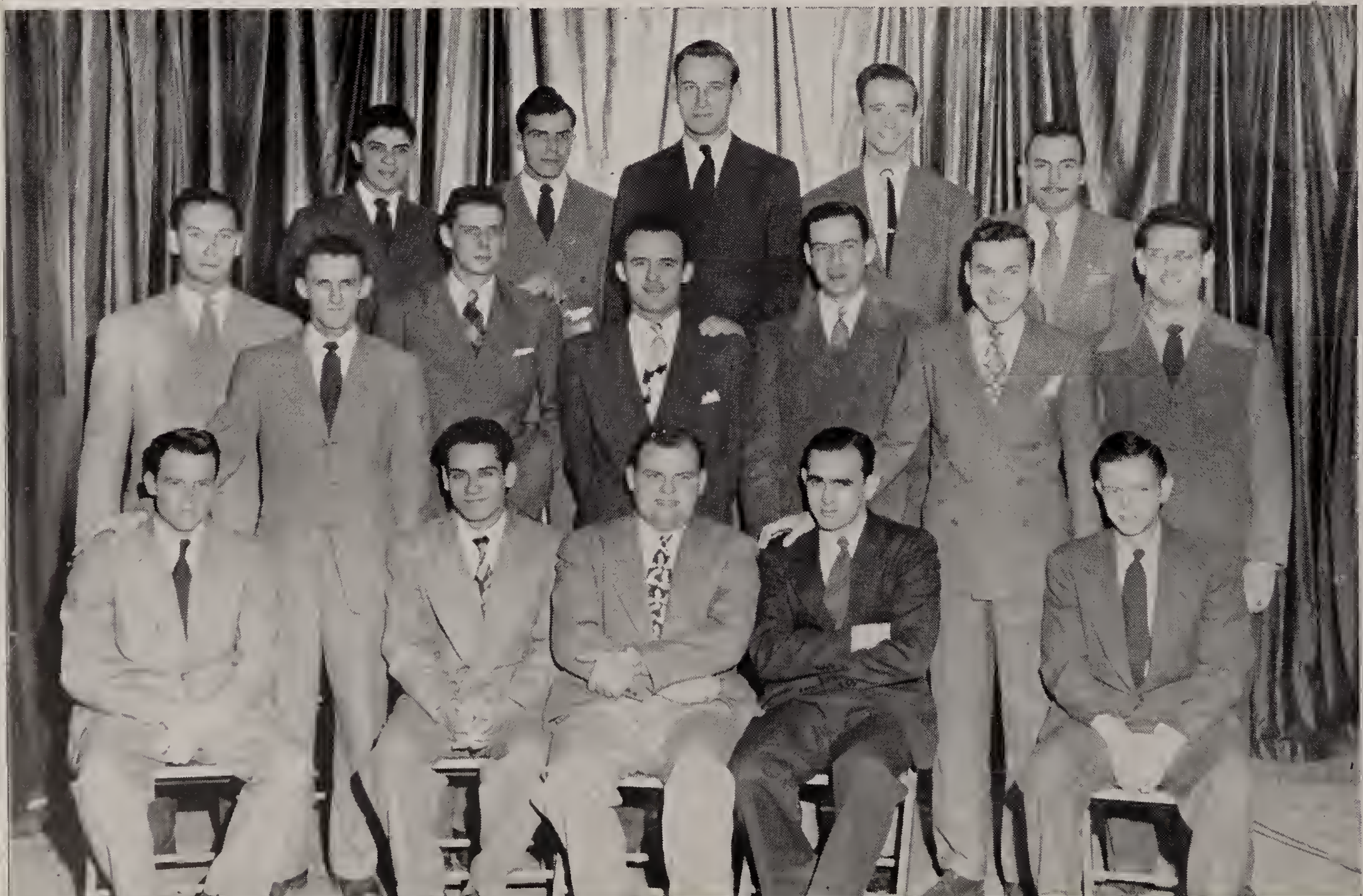
Inter-Fraternity Council

ABEL, *President*
EDDY, *Vice President*
JOHNSON, *Secretary*
JONES, *Treasurer*

The Inter-Fraternity Council is the Fraternity man's Congress. It serves to unite the mutual interests of the member fraternities and to promote better and closer relationship between the faculty, student body and fraternities.

The Council consists of two representatives from each fraternity on the campus, meeting once each week to plan and direct activities that will benefit their respective chapters. These men act with the guidance and suggestions of their fraternities, still credit must go to them for their leadership and energy in supervising all affairs of the Council.

The Inter-Fraternity Council has grown to be one of the most effective organizations on the campus, having won both the respect and admiration of the student body. As every man is proud of his Fraternity he is also justly proud of the Inter-Fraternity Council, for it is because of his ambitions that the Council is one of our most outstanding organizations.



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Dance Time

Campus At High Noon

JOINT
MEETING

Sports At

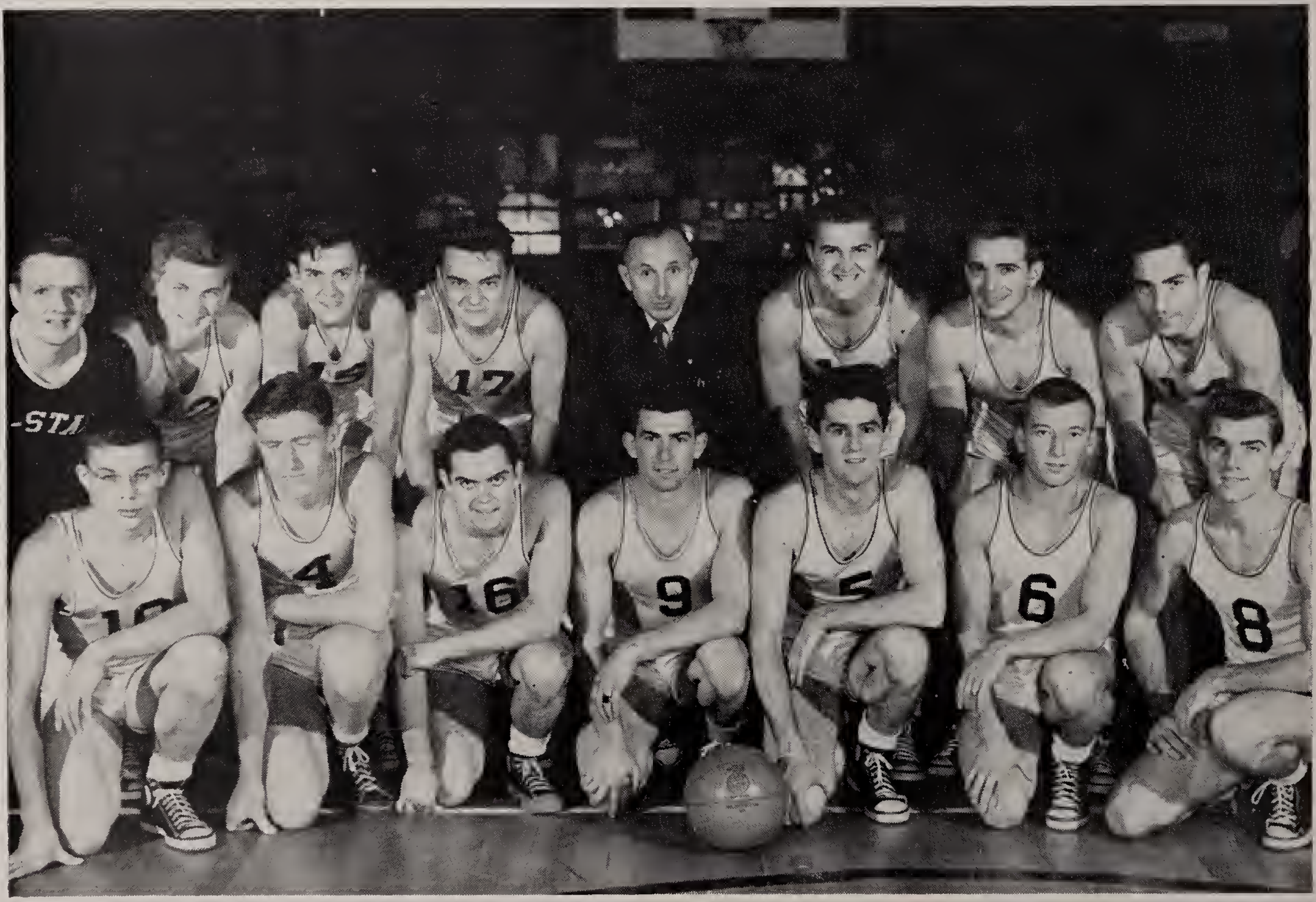
When Coach Emery Druckamiller called opening practice, he found that he had only four veterans from last year's team, including Red Glasso, Frank Franze, Bob Millerick and Stan Rutka. But with the addition of freshmen John Keck, Bob Hemerick, Mike Strilich, Dale Cobble, and Dean Zimmer, he turned out a formidable five that won 8 and lost 11. Several games were lost in the final minutes due to lack of reserves. Tri-State may have its own fieldhouse so more practice sessions can be held. Bob Hemerick was chosen the most valuable player and awarded a trophy by Mr. Ray Alwood of the Alwood Motors. Bob had a season point average of 11 points per game. Frank Franze won the Keel Free Throw Trophy even though he was out part of the season with injuries. Tri-State can look forward to a much brighter season next year with ten returning lettermen.

Top Row—left to right: *Ray Urch, Mgr., Bill Unger, George Keeling, *Stan Rutka, Coach Druckamiller, Casmire Strelinski, Leon Bruneel, Ralph Fox.

Bottom Row: *Dale Cobble, *John Keck, *Frank Franze *Bob Hemrick, Bob Millerick, *Mike Strilich, *Wayne Peterson.

Not pictured—*Dean Zimmer, *Nick Gettino, *Red Glasso, *Bob Brooksbank, *Harry Oaks.

* Lettermen



Tri-State College

With the coming of spring, all thoughts turned to baseball. First call for the baseball team was greeted by some 50 followers of the dusty diamond. All were hopeful, including Coach Druckamiller.

Weather and lack of adequate playing facilities dimmed the hopes of all early in the season. As a result they started out cold on their first game and never really could get warmed up. Although there were many close ones and a few debateable games. Tri-State's nine failed to bring home a winner.

If the weather permits next year's team access to the diamond, Tri-State can again hope for a winning team. With the return of some old players and new students arriving, prospects appear very good for a victorious team in "49".

Top Row—left to right: Coach Druckamiller, Frank Messier, Tony Koptur, Booth, Ed Buckley, Tippenhaur, Bob Hale, Diezk.

Bottom row: Priest, Vic Ganzer, Dick Greim, Joe Chimenti, Bob Greim, Bill Burns, Larry Sanxter.

Inter-Fraternity Basketball and Football Champions 1948

PHI SIGMA CHI FRATERNITY

Top—left to right: Rutka, S., Groll, M., Chokey, E., Strenlinski, C., Jones, J.
Second row: Buckley, E., Darcy, O., Hovill, M., Jones, W.

Bottom—left to right: Brons, J., Colacciccia, J., Glasso, S., Kauffman, E., Jones, J., O'Hare, J., Klein, Jack, Myers, W., Groll, M., Darcy, O., Novelli, E., Rutka, S., Shaffer, A., Hovill, M.

STATE
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T. S. C. Fencing Team

JAMES COLBURN

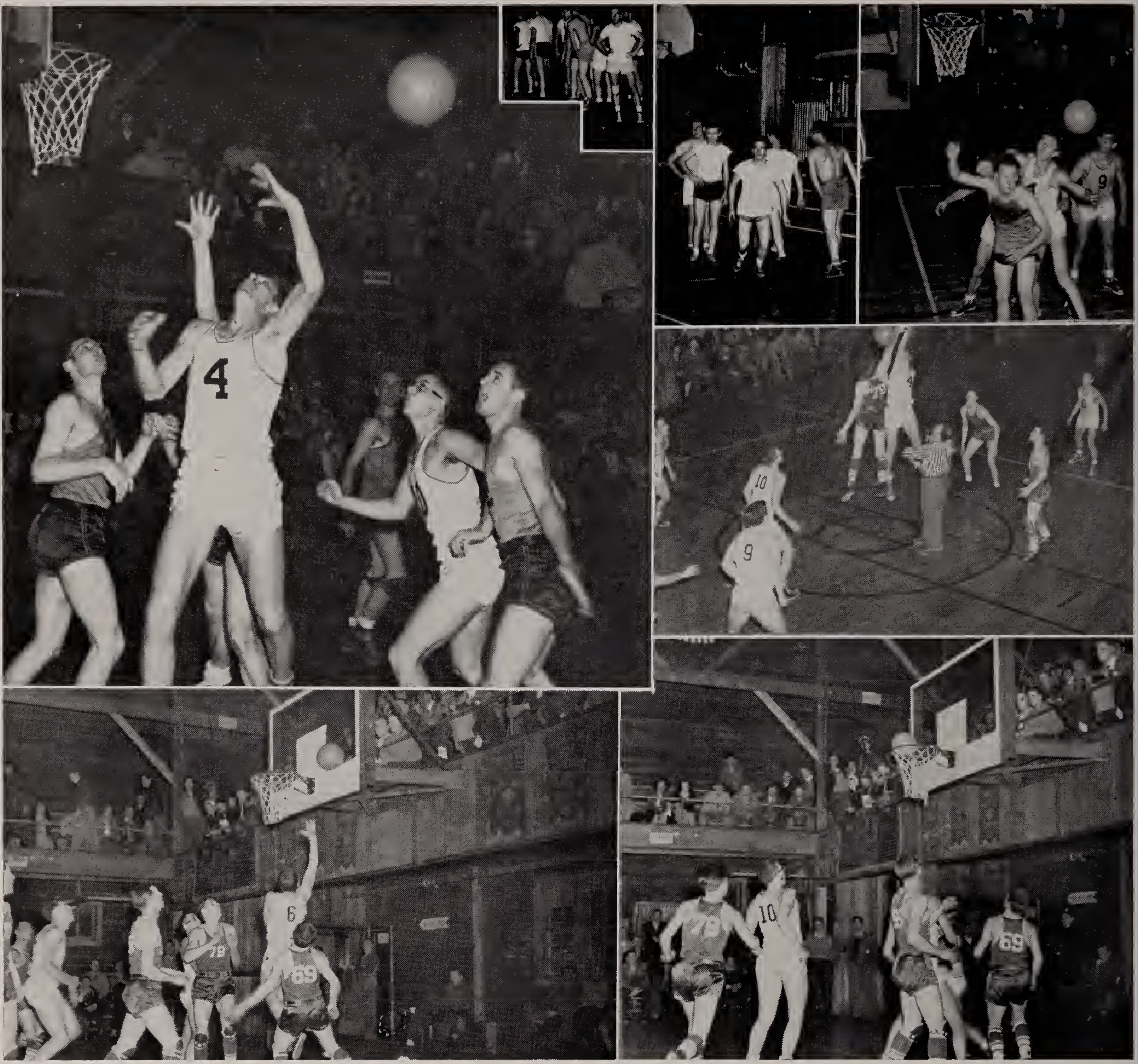
With the innovation of an increased athletic program at Tri-State, several inspired students, under the able coaching of Jim Colburn, met and formed our school's first competitive fencing team in September 1947.

The team started with fifteen members and an extensive training program was immediately inaugurated. The men chose the weapon with which they were most proficient, whether it be epee, sabre, or foil, and began training for the several mets that were already scheduled.

On February 7, 1948, the team journeyed to Culver Military Academy for their first competitive meet and defeated the cadets by the score of 11½ to 9½.

The second meet of the season took place at the Illinois Institute of Technology, Chicago, on February 21, 1948. Our swordsmen met and defeated Tech's team in a scheduled three-hour meet by the score of 16½ to 10½.

Goldman, Herr, Hoffman, Creedman.



On The Hardwood Court

BARBEE NELL
ENTERING
ALASKA
LEAVING
YUKON TERRITORY
PLEASE
KEEP OUTSIDE

Sugar and Knowledge

Rocket Society

Abrams, Pres., Pickle, Treas., King, Sec., Michalko, Sec., Clark, Vice Pres., Guzman, Tech. Sec.

The Rocket Society was organized by a group of Students interested in Reaction motors, Rockets and Jets. The purpose of The Rocket Society was to study rockets and perhaps build small ones to gather experimental data. The Society has been very successful with the help of its two guiding professors, Prof. Forney and Prof. Wright. Credit should be given to where it is due and two well deserving students who gave much of their time to keep the Society in existance were Ora Clark and Richard Abrams.

In this Society there are students from all fields of Engineering. Mechanical and Aero Engineers were given the task of designing and building the engine itself and designing the body of the rocket. Electrical Engineers were to figure out remote control units for firing and taking instrument readings. Chemical Engineers must develop the fuels needed. Radio Engineers work on the remote control units for flight and landing devices.

The achievements of the Rocket Society for the year of 1948 were the building of a Rocket and supplying the library with rocket materials at the Society's expense.

Bottom Row—left to right: Guzman, Sidel, Baronowski.
Second Row: Abrams, Clark, Porkett.
Third Row—Mayer, Nelson, Jones, Prof. Wright

The Chinese Student Club

The Chinese Student Club was founded in 1932. Its aim is to form and strengthen the bonds of friendship among its members; to assist fellow members and to encourage high standards of scholastic achievements.

The club has been quite active since the winter term of 1947, when the club was reactivated. Although the number of members is small, the officers and members have been working hard to make the organization function sucessfully. We hope that the future will bring more Chinese to Tri-State College so that our club will be enriched.

The members of the Chinese Student Club wish to express our appreciation for the splendid work of Professor Orlie W. Fee and wish every success to the members of the graduating class.

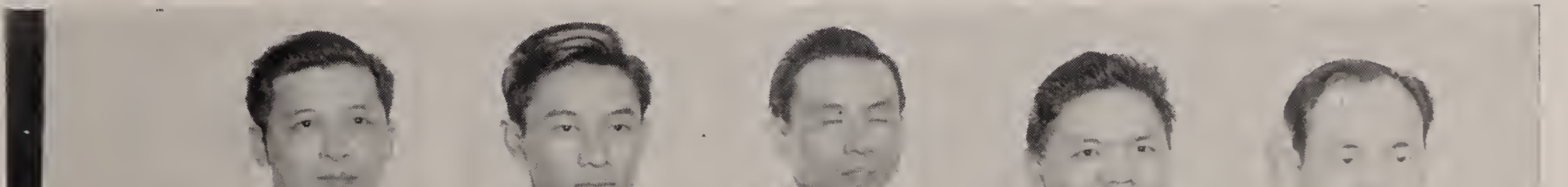
The officers for the Winter and Spring terms are:

WINTER TERM

Philip L. Liu, President; Herbert Choy, Vice President; Robert Lee, English Secretary; Benjamin Ling, Chinese Secretary; Thomas Young, Treasurer; Samuel G. Fong, Reporter; Student Council Representatives, Sydney Lee and K. K. Bowyen.

SPRING TERM

Philip L. Liu, President; Herbert Choy, Vice President; Robert Lee, English Secretary; Benjamin Ling, Chinese Secretary; Thomas Young, Treasurer; Samuel G. Fong, Reporter; Student Council Representatives, K. K. Bowyen and Frank Lock.



Bottom Row—left to right: Young, T.; Ling B.: Lee, R. J., Lock, F., Fong, S. G.
Top Row—left to right: Choy, H., Chin-Yee, Liu, S. Lee, K. K. Boyen.

HOT DOG DANCE
WED. HOT NITE
LAKE JAMES
LEDSOES BEACH
LAKE JAMES

Photographic Society

The Photographic Society was created a little over a year and a half ago by a group of student photographers who felt that they could serve the school publications better if they worked together instead of as individuals, as had been done in the past.

The first months were, as usual, the hardest. The Society's darkroom was being constructed in the new recreation building and it was necessary to wait for its completion before we could really function as a photographic society should.

May of this year saw the opening of the darkroom and the realization of the members dreams. Since that time there have been few hours of the day that the darkroom has not been in use. The Society's membership has enlarged and we are now serving the school as an active organization.

The charter officers of the Society were: Donald L. Stenzel, President; Rolf Jonas, Vice President; Paul D. Willcox, Treasurer; Raymond M. Willcox, Secretary; Samuel G. Fong and Leo D. Wilson, representing the members on the Board of Directors. At the present time Samuel G. Fong is President, Paul D. Willcox is Vice President, John Bell is Treasurer, William Porter is Secretary and Raymond M. Willcox and John Ough are members of the Board.

Top Row: Shideman, G., Willcox, R., Freeburg, C., Ciezak, Ted; McGourty. J., Kaplan.
Middle Row: DeLuca Jerry; Bell, J., Myers, G., Smeltzer, V., Stenzel, D., Ough, J.
Bottom row: Willcox, Paul; Jonas, R., Fong, S. G., Porter, Wm.

WISE, *President*
GILLET, *Vice President*
NIEDERST, *Secretary*
HAYNES, *Treasurer*

American Society of Tool Engineers

Angola Section of Fort Wayne Chapter No. 56

Here is an organized and functioning institution for the scientific knowledge in the field of Tool Engineering. Membership in ASTE offers an invaluable association with the men of importance in the profession. Prominent members are America's leading tool, die and machine designers, development engineers, methods engineers, master mechanics, plant superintendents, work managers, gauge engineers — and many others vitally interested in the development of better methods and better equipment.

At Tri-State our group is composed not only of Mechanical Engineering Students but of all students interested in Tool Engineering. The aims of the Society embrace all engineering fields where manufacturing is a problem. Thus any student who desires the contact of a professional society promoting the "improvement of products through Tool Engineering" will benefit by this association.

The ASTE program of development, broad in scope and proven sound is based on the knowledge that both products and methods must undergo important changes. This is a new era in America's production and today, as never before, the tool engineer is the key to greater productive ability. Invaluable assistance every member finds helpful in coping with the demands that industry places directly on his shoulders is his association with ASTE, with its technical meetings that provide for an interchange of needed information, its committees, its data sheets, its publication the "Tool Engineer," and many other services.

The Tri-State meeting is held on the third Wednesday of the month, one week following the regular monthly meeting of Chapter No. 56 in Fort Wayne. We have had Technical speakers for each meeting who further our knowledge of Tooling and initiate those who "know not" in its mysteries.

American Society of Tool Engineers

Group I—row one: Bowyen, Kolasinski, Klein, Wadowski, Malott, Henley, Slavich.
Row 2: Adams, Beason, Nelson, Gucciardi, Jonas, Elson, Clouse, Norton.
Row 3: Alquist, Hiller, Reeves, Nichols, Orlosky, Carlson, Mixer.

Group II—row 1: Haynes, Wise, Denham, Gillet, Rose.
Row 2: Cummings, Stahl, Gorka, Dewey, Ullmer, Ingham.
Row 3: Dovano, Smith, Sauer, Bly, Hall, Harris, Kiester.

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